

# **DIABETES**

## **LITERATURE INDEX**

**NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES**

**U.S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE**

**Public Health Service**

**National Institutes of Health**

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the 1990s, the number of people in the world who are undernourished has increased from 600 million to 800 million (FAO 1996).

There are a number of reasons for this increase. First, the world population has increased from 5 billion in 1987 to 6 billion in 1996, and is projected to reach 8 billion by 2025 (FAO 1996). Second, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996).

Third, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996). Fourth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996). Fifth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996).

Sixth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996). Seventh, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996). Eighth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996).

Ninth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996). Tenth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996). Eleventh, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996).

Twelfth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996). Thirteenth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996). Fourteenth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996).

Fifteenth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996). Sixteenth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996). Seventeenth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996).

Eighteenth, the number of people in the world who are undernourished has increased from 600 million in 1987 to 800 million in 1996 (FAO 1996).



# DIABETES LITERATURE INDEX

(By Authors, Hierarchy, and by Keywords in the Title)

A monthly publication of the  
National Institute of Arthritis, Metabolism, and Digestive Diseases

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## PREFACE

*Diabetes Literature Index* is a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases which has been prepared from MEDLARS (Medical Literature Analysis and Retrieval System) tapes furnished by the National Library of Medicine. This specialized information medium is being published to fill an existing great need in the field of diabetes and to assist the Institute in meeting its obligations to foster and support laboratory and clinical research into the nature, causes, and therapy for diabetes. Publication of *Diabetes Literature Index* makes available an index of all current scientific papers relevant to this field from the world literature.

It is hoped that the issuing of *Diabetes Literature Index* under the auspices of the National Institute of Arthritis, Metabolism, and Digestive Diseases will provide a much needed current awareness tool to scientists and will facilitate greater integration of research and clinical efforts in this field. *Diabetes Literature Index* has been published monthly since January 1966 and is cumulated at the end of each calendar year.

This publication is available free to National Institutes of Health grantees and contractors working in the field of diabetes, and libraries of medical schools. Requests from these *qualified* individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications from these qualified recipients of free copies should be addressed to:

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The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1978

## EDITORIAL NOTE

*Diabetes Literature Index*, a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases (NIAMDD), was brought about through the cooperative efforts of two divisions of the National Institutes of Health (NIAMDD and the National Library of Medicine), a professional society (American Diabetes Association), three Universities (University of Minnesota, University of Rochester, and Case Western Reserve University) as well as a number of individual scientists. In this rather unique cooperative project, initiated in 1958, duplication of effort has been reduced to a minimum. The digital information generated from the original input of bibliographic citations to the National Library of Medicine's MEDLARS system is processed by computer in several different ways and ultimately used to compose the final printed pages of this *Diabetes Literature Index*.

Each month the MEDLARS magnetic tape furnished by the National Library of Medicine (NLM) is used for identification of the diabetes related literature. All bibliographic citations classified under subject headings which we have designated as Priority I, represent articles that are 100% diabetes-related; they are automatically copied onto a new magnetic tape and constitute over seventy percent of the citations appearing in this index. The citations appearing under Priority II and III are subject headings which include both diabetes-related and unrelated articles; these are printed on cards by the computer. The diabetes related citations are identified manually and the corresponding digital information is added to the next month's Priority I magnetic tape.

In the selection of this bibliography, diabetes-related literature has been defined in a rather arbitrary but broad, comprehensive manner with a view toward providing the widest possible coverage of related areas. To this end the following subjects have been included: the Islets of Langerhans in the pancreas, including their structure and pathologic alterations; insulin, its properties, assay, synthesis, release or degradation; the direct and indirect effects of insulin on target organs; blood glucose level, hyper- and hypo-glycemia; insulin antibodies and insulin resistance; insulin allergy; recent developments in intermediary metabolism; experimental and clinical aspects of diabetes, signs, symptoms, diagnosis, treatment, complications, and associated condi-

tions. Also included are other hormones and agents whose effects are similar, opposite, synergistic or antagonistic to insulin, either in their primary or secondary effects on target organs. It should be noted that there are undoubtedly some omissions due to the empirical definition of the diabetes-related literature which was adopted and also to the difficulties attendant in preparing such a large-scale bibliography by machine.

The *Diabetes Literature Index* is published in three formats: a hierarchical subject index, a key word in title index, and an author index. The magnetic tape version of these indexes, prepared at the University of Minnesota, is used to generate the copy for offset printing by the Government Printing Office on their Linotron.

*Hierarchical Subject Index:* This index differs from *Index Medicus* in that related terms are grouped together in a hierarchical relationship. Thus, all citations which are indexed under blood sugar, glucose tolerance, hyperglycemia, hypoglycemia, and glycosuria are grouped under the general heading "blood sugar, urine sugar and related topics." In both the Diabetes Key Word Index and in *Index Medicus* these terms are arranged alphabetically, and the corresponding citations are distributed at many different page locations. In some instances where only a few citations appear under several similar subject headings, these are grouped together under a more generic term; at times, a new non-MEDLARS index term is created to cover these groupings of subject headings. In some instances where many citations appear under a single subject heading, these are subdivided by using subheadings.

Although the hierarchical subject index is, in a sense, a miniaturized version of *Index Medicus* (dealing with the core diabetes literature) it provides a much greater depth of indexing. Many relevant citations included in the *Diabetes Literature Index* do not appear under the corresponding subject headings in *Index Medicus*; because of space limitations, only two or three of the ten or more index terms included on the MEDLARS magnetic tape are used in the printed version of *Index Medicus*. At times the reason why a given citation appears under a specific subject heading may not be apparent from the article title. However, examination of the list of index terms for this citation (included in the Author Index under

the principal author) will give the basis for this inclusion.

Beginning with the January 1971 issue, two sections are included in the Hierarchical Subject Index. In *Section 1*, "Diabetes Mellitus and Related Topics," the major subdivisions include the MEDLARS terms: Islets of Langerhans, Pancreas, Insulin, Glucagon, Blood and Urine Sugar; the subsection on "Diabetes," (Section 1.F) is extensively subdivided and many subheadings are used. In *Section 2*, "Endocrinology" is divided into subsections dealing with the individual endocrine glands. Hierarchical subject indexes related to Biochemistry and the organ systems (included in the experimental issues, published in February and March, 1969) are not included at this time; terms related to these subjects are, however, included in the Keyword Index.

A list of the subject headings included in the tree structure of the hierarchy (with their corresponding index numbers) and an alphabetic cross index of these subject headings is printed immediately preceding the Hierarchical Subject Index.

**Key Word Index:** For all of the diabetes-related literature chosen, key words in the title are identified by the computer and an expanded magnetic tape is prepared, listing the complete bibliographic citation under each key word. Most editorial decisions are made by the computer-disk-look-up-program using a master list of terms. Trivial words are deleted and specific word combinations are also selected. Abbreviations and word variant forms are replaced by the more commonly used key word. Inconsistencies between the British and American spellings are eliminated. In no case, however, is a change made within the title itself. Words which have not ap-

peared previously in the system are identified by the computer program and flagged for human decision.

With the publication of the hierarchical subject index, the key word index has been shortened. Diabetes is not included as a term in the key word index as it is covered in great detail in the hierarchical subject index. Although users may find the hierarchical subject index more useful for coverage of their broad interests, the key word index is advantageous in locating citations dealing with very specific terms—for example those relating to biochemistry or the organ systems. The key word index is of special value in locating citations dealing with the frontiers of diabetes research, for new terms appearing in the title are immediately included in the key word index.

**Author Index:** Because of space limitations, the printed version of *Index Medicus* excludes all but the first three authors in multiple author publications. However since the last author is often the best known, this name may be the most useful for reference or retrieval; therefore, all authors are included in the Diabetes Literature Author Index. These are automatically identified by the computer program and an alphabetized magnetic tape is prepared in which the complete bibliographic citation is included under each author. In addition, all of the index terms used by the NLM for each citation are listed under the principal author, thus providing an overview of the subject content of the article.

Users planning to systematically cover all articles appearing in a given month may do so by scanning the author index, limiting their perusal to the principal author, i.e., those citations which contain the MEDLARS index terms.

## Arrangement of the Hierarchical Index

- I SECTION 1. DIABETES MELLITUS AND RELATED TOPICS
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    - I.B.6 PANCREAS, SURGERY RELATED
    - I.B.6.1 PANCREAS, TRANSPLANTATION
    - I.B.6.2 PANCREATECTOMY
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      - I.C.3.2 INSULIN, ANTAGONISTS AND INHIBITORS
      - I.C.3.3 INSULIN, ADVERSE EFFECTS
    - I.C.4 HYPERINSULINISM
      - I.C.4.1 INSULIN COMA
    - I.C.5 INSULIN ANTIBODIES
    - I.C.6 INSULIN RESISTANCE
    - I.C.7 INSULIN, THERAPY RELATED
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      - I.C.7.2 INSULIN ADMINISTRATION AND DOSAGE (SEE I.F.9.3.1)
      - I.C.7.3 INSULIN, THERAPEUTIC USE (SEE I.F.9.3.2)
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      - I.D.1.3 GLUCAGON, BLOOD
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      - I.D.2.2 GLUCAGON, SECRETION
    - I.D.3 GLUCAGON, PHARMACOLOGY RELATED
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THE ULTRASTRUCTURE OF THE CELL TYPES IN THE ENDOCRINE PANCREAS OF THE HORSE. Forssmann A *Cell Tissue Res* 167: 179-93, 16 Mar 76 (Eng) DL/76AUG30

UPDATING DIABETES MELLITUS. INTRODUCTION. Anonymous *Compr Ther* 1: 11-4, May 75 (Eng) DL/76AUG49

ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION. Federlin K, Slijepcevic M, Helmke K *Horm Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116

ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES. Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220

PREPARATION OF ISLETS OF LANGERHANS FROM RABBITS AND HAMSTERS BY THE COLLAGENASE DIGESTION TECHNIQUE. Feldman JM, Chapman B *Acta Diabetol Lat* 12: 208-18, May-Aug 75 (Eng) DL/76AUG403

#### 1.A.1 ISLANDS OF LANGERHANS, ANATOMY RELATED

PANCREATIC ISCHAEMIA; SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

[MORPHOLOGICAL CHANGES IN THE ENDOCRINE PANCREAS OF THE RABBIT AFTER THE ADMINISTRATION OF A MORUS ALBA EXTRACT] Gulubova R, Boiadzhiev Ts *Exp Med Morfol* 14: 166-71, 1975 (Bul) DL/76AUG66

ISLET HISTOPHYSIOLOGY: EVOLUTIONARY CORRELATIONS. Epple A, Brinn JE Jr *Gen Comp Endocrinol* 27: 320-49, Nov 75 (Eng) DL/76AUG102

EFFECT OF STREPTOZOTOCIN ON THE BLOOD GLUCOSE LEVEL AND HISTOLOGY OF THE PRINCIPAL ISLETS OF CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS Z *Mikrosk Anat Forsch* 89: 319-26, 1975 (Eng) DL/76AUG391

#### 1.A.2 ISLANDS OF LANGERHANS, BIOCHEMISTRY RELATED

PROCEEDINGS: THE EFFECTS OF CYPROHEPTADINE PRETREATMENT ON INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS. Richardson BP, Berde B *Br J Pharmacol* 56: 356p-357p, Mar 76 (Eng) DL/76AUG11

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

[COOPERATIVE BINDING OF TOLBUTAMIDE BY ISOLATED RAT ISLETS OF LANGERHANS] Alric R, Manteghetti M, Puech R, Lignon F, Loubatieres A *C R Acad Sci [D] (Paris)* 281: 2029-32, 22 Dec 75 (Fre) DL/76AUG38

INHIBITION OF PANCREATIC ISLET MONOAMINE OXIDASE BY ADRENERGIC ANTAGONISTS AND ETHANOL. Feldman JM *Endocr Res Commun* 2: 503-20, 1975 (Eng) DL/76AUG67

DETERMINATION OF D-3-HYDROXYBUTYRATE DEHYDROGENASE IN MOUSE PANCREATIC ISLETS WITH A PHOTOKINETIC TECHNIQUE USING BACTERIAL LUCIFERASE. Berne C *Enzyme* 21: 127-36, 1976 (Eng) DL/76AUG84

STIMULATION OF INSULIN RELEASE AFTER RAISING EXTRACELLULAR CALCIUM. Hellman B *FEBS Lett* 63: 125-8, 15 Mar 76 (Eng) DL/76AUG89

HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS. Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman J *J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS. Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 125I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaisse WJ *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

THE PANCREATIC BETA-CELL. RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl LA, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLOCAMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS. Joost HG, Beckmann J, Lenzen S, Hasselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407

ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE. Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

#### 1.A.3 ISLANDS OF LANGERHANS, PHYSIOLOGY RELATED

ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION. Charles MA, Imagawa W, Forsham PH, Grodsky GM *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70

[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palumieri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

AN IMPROVED CONTROL ALGORITHM FOR AN ARTIFICIAL BETA-CELL. Botz CK *IEEE Trans Biomed Eng* 23: 252-5, May 76 (Eng) DL/76AUG117

NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakor P *Prog Food Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330

[GLUCAGON, STOMACH AND PANCREAS] Kalinin AP, Radbil OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343

INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLOCAMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS. Joost HG, Beckmann J, Lenzen S, Hasselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407

[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL.) Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

[ELECTRON MICROSCOPE FINDINGS ON THE ENDOCRINE SYSTEM OF THE PANCREAS OF THE NEWBORN RAT] Costa V *Arch De Vecchi Anat Patol* 60: 67-80, Aug 74 (Ita) DL/76AUG454

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[MORPHOLOGICAL CHANGES IN THE ENDOCRINE PANCREAS OF THE RABBIT AFTER THE ADMINISTRATION OF A MORUS ALBA EXTRACT] Gulubova R, Boiadzhiev Ts *Eksp Med Morfol* 14: 166-71, 1975 (Bul) DL/76AUG66

STIMULATION OF INSULIN RELEASE AFTER RAISING EXTRACELLULAR CALCIUM. Hellman B *FEBS Lett* 63: 125-8, 15 Mar 76 (Eng) DL/76AUG89

[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palumieri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS. Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman JJ *Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT. Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl LA, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY] Schaison G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

EFFECT OF STREPTOZOTOCIN ON THE BLOOD GLUCOSE LEVEL AND HISTOLOGY OF THE PRINCIPAL ISLETS OF CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS *Z Mikrosk Anat Forsch* 89: 319-26, 1975 (Eng) DL/76AUG391

ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE. Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

### 1.A.5 ISLANDS OF LANGERHANS, PATHOLOGY RELATED

PANCREATIC ISCHAEMIA; SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PBB/LD MOUSE. Hunt CE, Lindsey JR, Walkley SU *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93

TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT. Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189

VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS. Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

SUSCEPTIBILITY OF MICE TO GROUP B COXSACKIE VIRUS IS INFLUENCED BY THE DIABETIC GENE. Webb SR, Loria RM, Madge GE, Kibrick S *J Exp Med* 143: 1239-48, 1 May 76 (Eng) DL/76AUG191

[EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL)] Sailer R, Katoh E, Druncklee D, Kovacicsek S, Berger M *Munch Med Wochenschr* 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

LETTER: GLUCAGON AND BLOOD SUGAR. Anonymous *N Engl J Med* 294: 1238-40, 27 May 76 (Eng) DL/76AUG266

[AMYLOIDOSIS OF THE ISLANDS OF LANGERHANS AND ITS EFFECTS WITH REGARD TO THEIR CELLULAR COMPONENTS] Melato M, Antonutto G, Giarelli L, Mlac M *Pathologica* 67: 109-18, Mar-Apr 75 (Ita) DL/76AUG288

FASTING HYPOGLYCEMIA. A CLINICOPATHOLOGIC CONFERENCE FROM VETERANS ADMINISTRATION HOSPITAL HINES, ILLINOIS. Anonymous *Postgrad Med* 59: 221-3, 225, Mar 76 (Eng) DL/76AUG306

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orzi L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

[LIVER AND DIABETES MELLITUS] Genes SG *Ter Arkh* 48: 119-28, 1976 (Rus) DL/76AUG350

TRANSPLANTABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS. Stekar J *Z Krebsforsch* 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390

THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR. Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM *Am J Clin Pathol* 65: 462-6, Apr 76 (Eng) DL/76AUG429

[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL)] Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE. Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

LETTER: PHENYTOIN IN METASTATIC INSULINOMA. Aderka D, Shkhalai M, Doron M, Laron Z, Pinkhas J, De Vries A *JAMA* 234: 1119, 15 Dec 75 (Eng) \*DL/76AUG733

[DIAGNOSIS AND TREATMENT OF INSULINOMA] Borovyi EM, Martyniuk IuM, Nesterenko LN, Syvii Nlu *Vrach Delo* 90-1, Mar 74 (Rus) \*DL/76AUG861

## 1.B PANCREAS

AUTOIMMUNITY AND VIRAL INFECTION IN DIABETES MELLITUS. Richens ER, Ancil RJ *Clin Exp Immunol* 23: 40-6, Jan 76 (Eng) DL/76AUG45

ISLET HISTOPHYSIOLOGY: EVOLUTIONARY CORRELATIONS. Epple A, Brinn JE Jr *Gen Comp Endocrinol* 27: 320-49, Nov 75 (Eng) DL/76AUG102

### 1.B.1 PANCREAS, ANATOMY RELATED

PANCREATIC ISCHAEMIA; SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISOLATION PERFUSED RAT PANCREAS AND THE EFFECT OF CHEMICAL SYMPATHECTOMY. Lundquist I, Fanska R, Grodsky GM *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72

DIRECT NEURAL INHIBITION OF INSULIN SECRETION IN RESPONSE TO SYSTEMIC HYPOGLYCEMIA. Miller RE, Waid TH, Joyce MP *Am J Physiol* 230: 1090-4, Apr 76 (Eng) DL/76AUG439

[VASCULAR HYALINOSIS IN DIABETIC MICROANGIOPATHY] Saltykov BB, Malkina LA *Arkhy Patol* 37: 38-44, 1975 (Rus) DL/76AUG463

### 1.B.2 PANCREAS, BIOCHEMISTRY RELATED

THE EFFECT OF SOMATOSTATIN ON RELEASE AND INSULINOTROPIC ACTION OF GASTRIC INHIBITORY POLYPEPTIDE. Pederson RA, Dryburgh JR, Brown JC *Can J Physiol Pharmacol* 53: 1200-5, Dec 75 (Eng) DL/76AUG25

DIAGNOSTIC USE OF PANCREATIC LIPASE DETERMINATION BY RADIAL ENZYME DIFFUSION, AND DESIGN OF A ROUTINE PANCREATIC PROFILE. Goldberg JM *Clin Chem* 22: 638-42, May 76 (Eng) DL/76AUG40

ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES. Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220

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SECRETIN, CHOLECYSTOKININ AND NEWER GASTROINTESTINAL HORMONES (SECOND OF TWO PARTS). Rayford PL, Miller TA, Thompson JC *N Engl J Med* 294: 1157-63, 20 May 76 (Eng) [113] DL/76AUG261

[IMMUNO-REACTIVE INSULIN-LIKE SUBSTANCES IN THE RAT] Felix JM, Sutter-Dub



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### 1.C INSULIN

MT, Legrele C, Billaudel B, Sutter BC, Jacquot R *Pathol Biol (Paris)* 23: 841-8, Dec 75 (Fre) DL/76AUG283

[ELECTRON MICROSCOPE FINDINGS ON THE ENDOCRINE SYSTEM OF THE PANCREAS OF THE NEWBORN RAT] Costa V *Arch De Vecchi Anat Patol* 60: 67-80, Aug 74 (Ita) DL/76AUG454

FINE STRUCTURE OF PANCREAS IN CORTISONE-TREATED GUINEA PIGS AND RABBITS. Wellmann KF, Volk BW *Arch Pathol Lab Med* 100: 334-8, Jun 76 (Eng) DL/76AUG462

#### 1.B.3 PANCREAS, PHYSIOLOGY RELATED

PANCREATIC ISCHAEMIA; SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

[INSULIN CONTENT OF RAT BLOOD FOLLOWING INJURY TO THE VENTROMEDIAL SECTION OF THE HYPOTHALAMUS] Goldberg RS, Kasatkin IuN, Lazaris Ial, Smirnova LK *Bull Eksp Biol Med* 79: 40-3, Jun 75 (Rus) DL/76AUG9

INHIBITION OF PANCREATIC ISLET MONOAMINE OXIDASE BY ADRENERGIC ANTAGONISTS AND ETHANOL. Feldman JM *Endocr Res Commun* 2: 503-20, 1975 (Eng) DL/76AUG67

DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISLET OF LANGERHANS AND THE EFFECT OF CHEMICAL SYMPATHECTOMY. Lundquist I, Fanska R, Grodsky GM *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72

[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE] Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

[NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80

CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD. Kimura K, Kamiyama Y, Ozawa K, Honjo I *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100

INHIBITION OF GASTRIC ACID SECRETION IN MAN BY EXOGENOUS AND ENDOGENOUS PANCREATIC GLUCAGON. Christiansen J, Holst JJ, Kalaja E *Gastroenterology* 70: 688-92, May 76 (Eng) DL/76AUG101

ENDOCRINE CHANGES IN SEPSIS. Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

THE ROLE OF CYCLIC AMP AND PROSTAGLANDINS IN HEPATIC AND GASTROINTESTINAL FUNCTIONS. PP. 75-117. Levine RA *In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP*. New York, Academic Press, 1973. QU 90 5991p 1972. (Eng) [95] DL/76AUG180

[GLUCAGON, STOMACH AND PANCREAS] Kalinin AP, Radbil OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343

[INSULIN SECRETION IN PATIENTS FOLLOWING JURASZS SURGERY FOR PANCREATIC PSEUDOCYST] Svoboda Z, Prokes J, Dobesova L *Vnitř Lek* 22: 336-40, Apr 76 (Cze) DL/76AUG362

[ETIOPATHOGENESIS OF DIABETES MELLITUS TODAY (CONTINUATION)] Bibergeil H *Z Gesamte Inn Med* 30: 33-6 concl, May 75 (Ger) DL/76AUG384

[PATHOGENIC CHARACTERISTICS OF THE EARLY STAGES OF DIABETES MELLITUS AND PREVENTIVE CONSEQUENCES] Popov A *Z Gesamte Inn Med* 30: 44-8 contd, May 75 (Ger) DL/76AUG387

DIRECT NEURAL INHIBITION OF INSULIN SECRETION IN RESPONSE TO SYSTEMIC HYPOGLYCEMIA. Miller RE, Waid TH, Joyce MP *Am J Physiol* 230: 1090-4, Apr 76 (Eng) DL/76AUG439

#### 1.B.4 PANCREAS, PHARMACOLOGY RELATED

DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISLET OF LANGERHANS AND THE EFFECT OF CHEMICAL SYMPATHECTOMY. Lundquist I, Fanska R, Grodsky GM *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72

#### 1.B.5 PANCREAS, PATHOLOGY RELATED

PANCREATIC ISCHAEMIA; SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

DIAGNOSTIC USE OF PANCREATIC LIPASE DETERMINATION BY RADIAL ENZYME DIFFUSION, AND DESIGN OF A ROUTINE PANCREATIC PROFILE. Goldberg JM *Clin Chem* 22: 638-42, May 76 (Eng) DL/76AUG40

SUSCEPTIBILITY OF MICE TO GROUP B COXSACKIE VIRUS IS INFLUENCED BY THE DIABETIC GENE. Webb SR, Loria RM, Madge GE, Kibrick S *J Exp Med* 143: 1239-48, 1 May 76 (Eng) DL/76AUG191

[PANCREATIC ABSCESS AND ACUTE DIABETES MELLITUS] de Leeuw I, Abs R *Tijdschr Gastroenterol* 18: 329-39, 1975 (Dut) DL/76AUG353

#### 1.B.6 PANCREAS, SURGERY RELATED

##### 1.B.6.1 PANCREAS, TRANSPLANTATION

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETER-TO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gledman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

UPDATING DIABETES MELLITUS. INTRODUCTION. Anonymous *Compr Ther* 1: 11-4, May 75 (Eng) DL/76AUG49

THE DIABETIC KIDNEY. Merkel FK, Straus AK, Armbruster KF, Lewis EJ *Compr Ther* 1: 40-8, May 75 (Eng) DL/76AUG56

[EXPERIMENTAL PANCREATIC ALLOTRANSPLANTATION IN DOGS: BIOCHEMICAL ASPECTS AND EVOLUTION] Ellenbogen G,

Raia AA, Zilberstein B, Pollara WM, Neto OB, Morimoto PY, Pinotti HW *Rev Hosp Clin Fac Med Sao Paulo* 30: 340-4, Jul-Aug 75 (Por) \*DL/76AUG841

#### 1.B.6.2 PANCREATECTOMY

ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION. Federlin K, Slijepcevic M, Helmke K *Horm Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116

[BALANCED PARENTERAL NUTRITION FOLLOWING TOTAL PANCREATECTOMY. (METABOLIC DATA)] Reissigl H, Bodner E, Falset N *Infusionstherapie* 2: 120-31, Apr 75 (Ger) \*DL/76AUG700

### 1.C INSULIN

GROWTH HORMONE RELEASE BY GLYCINE INJECTED INTRAVENOUSLY IN 22 HEALTHY SEXUALLY IMMATURE CHILDREN. Pupa M, Florea I *Biomedicine [Express]* 23: 131-3, 30 Apr 75 (Eng) DL/76AUG6

[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE] Frowein J, Petersen KG *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN. Marco J, Hedo JA, Martinell J, Calle C, Villanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

LETTER: OLIGOPEPTIDES AS POTENTIAL ANTIAGGREGATION AGENT FOR PROTEINS: HEMOGLOBIN S GEL AND INSULIN DIMER. Kubota S, Chang CT, Samejima T, Yang JT *J Am Chem Soc* 98: 2677-8, 28 Apr 76 (Eng) DL/76AUG154

THE ROLE OF BRAIN MONAMINES IN THE SUSCEPTIBILITY TO SEIZURES BROUGHT ABOUT BY CHEMICAL AND ELECTRICAL STIMULATIONS. PP. 259-72. Pfeiffer AK, Unyi G *In: Lissak K, ed. Hormones and brain function*. New York, Plenum Press, 1973. WL 300 1631H 1971. (Eng) DL/76AUG181

[RADIOCHEMICAL CHANGES IN POLYMERS USED FOR PACKAGING DRUGS] PP. 159-69. Ivanov AI, Ponomarenko SI, Kovalchuk VM, Semenenko EI, Myshkovskii VI, I USON-Stennon JA, Leclercq G *In: Radiosterilization of medical products 1974*. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Rus) DL/76AUG185

LETTER: HIGHLY PURIFIED INSULINS. Anonymous *Lancet* 1: 1133-4, 22 May 76 (Eng) DL/76AUG235

ACCESSIBLE AREA, PACKING VOLUMES AND INTERACTION SURFACES OF GLOBULAR PROTEINS. Teller DC *Nature* 260: 729-31, 22 Apr 76 (Eng) DL/76AUG273

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orcl L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

PROPERTIES AND SPECIFICITY OF A SECOND METAL CHELATOR-SENSITIVE PROTEINASE IN THE KERATINOLYTIC LARVAE OF THE WEBBING CLOTHES MOTHS. Ward CW *Aust J Biol Sci* 28: 439-45, Dec 75 (Eng) DL/76AUG465

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### I.C INSULIN

#### I.C.1 INSULIN, BIOCHEMISTRY RELATED

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EFFECTS OF INSULIN-FREE PLASMA ON THE CHARCOAL-SEPARATION METHOD FOR RADIOIMMUNOASSAY OF INSULIN. Frayn KN *Horm Metab Res* 8: 102-5, Mar 76 (Eng) DL/76AUG110

[MONOCOMPONENT INSULIN] Reitsma WD *Ned Tijdschr Geneesk* 120: 760-2, 24 Apr 76 (Dut) DL/76AUG274

[IMMUNO-REACTIVE INSULIN-LIKE SUBSTANCES IN THE RAT] Felix JM, Sutter-Dub MT, Legrele C, Billaudel B, Sutter BC, Jacquot R *Pathol Biol (Paris)* 23: 841-8, Dec 75 (Fre) DL/76AUG283

##### I.C.1.2 INSULIN, ANALYSIS

VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS. Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

[STUDY OF METABOLISM IN RECONSTRUCTIVE OPERATIONS FOR DUMPING SYNDROME] Schober KL, Palkoska F, Vliachki I, Hanke P, Schultz K *Khirurgia (Sofia)* 28: 122-6, 1975 (Bul) DL/76AUG214

ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES. Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220

[TISSUE EXCISION AT THE INJECTION SITE AS A POSSIBLE EMERGENCY THERAPY IN SUICIDE USING DEPOT-INSULIN] Guderjahn R *Med Welt* 27: 538-9, 12 Mar 76 (Ger) DL/76AUG239

THE GLUCOSE-INSULIN RATIO IN AMNIOTIC FLUID. Newman R, Tulera G *Obstet Gynecol* 47: 599-601, May 76 (Eng) DL/76AUG279

FINE STRUCTURE OF PANCREAS IN CORTISONE-TREATED GUINEA PIGS AND RABBITS. Wellmann KF, Volk BW *Arch Pathol Lab Med* 100: 334-8, Jun 76 (Eng) DL/76AUG462

##### I.C.1.3 INSULIN, CHEMICAL SYNTHESIS

##### I.C.1.4 INSULIN, BIOSYNTHESIS

THE ROLE OF SERUM NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY (NSILA) IN COMPENSATORY RENAL GROWTH. Poffenbarger PL, Prince MJ *Growth* 40: 83-97, Mar 76 (Eng) DL/76AUG105

[INSULIN AVAILABILITY IN SOME FAMILIAL INHERITED NEUROLOGICAL SYNDROMES (AUTHORS' TRANSL)] Frattino P, Kauchtschischvili G, Nappi G, Poloni M, Favino A, Criffo A *Riv Patol Nerv Ment* 95: 624-31, Oct 74 (Ita) DL/76AUG335

CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES. Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

##### I.C.1.5 INSULIN, METABOLISM

PROCEEDINGS: THE EFFECTS OF CYPROHEPTADINE PRETREATMENT ON INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS. Richardson BP, Berde B *Br J Pharmacol* 56: 356p-357p, Mar 76 (Eng) DL/76AUG111

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ISLETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci (D) (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

THE PRESENCE OF INSULIN IN AND SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS. Ishay J, Gitter S, Galun R, Doron M, Laron Z *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58

STIMULATION OF INSULIN RELEASE AFTER RAISING EXTRACELLULAR CALCIUM. Hellman B *FEBS Lett* 63: 125-8, 15 Mar 76 (Eng) DL/76AUG89

PENETRATION OF TARGET AREAS IN THE RAT BY LIPOSOME-ASSOCIATED BLEOMYCIN, GLUCOSE OXIDASE AND INSULIN. Dapergolas G, Neerunjun ED, Gregoriadis G *FEBS Lett* 63: 235-9, 1 Apr 76 (Eng) DL/76AUG91

CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD. Kimura K, Kamiyama Y, Ozawa K, Honjo I *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100

HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS. Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

BINDING AND DEGRADATION OF INSULIN BY HUMAN PERIPHERAL GRANULOCYTES. DEMONSTRATION OF SPECIFIC RECEPTORS WITH HIGH AFFINITY. Fussganger RD, Kahn CR, Roth J, De Meyts P *J Biol Chem* 251: 2761-9, 10 May 76 (Eng) DL/76AUG134

AN ANOMALY OF INSULIN REMOVAL IN PERFUSED LIVERS OF OBESE-HYPERGLYCEMIC (OB/OB) MICE. Karakash C, Assimacopoulos-Jeannet F, Jeanrenaud B *J Clin Invest* 57: 1117-24, May 76 (Eng) DL/76AUG148

DECREASED INSULIN BINDING TO ADIPOCYTES AND CIRCULATING MONOCYTES FROM OBESE SUBJECTS. Olefsky JM *J Clin Invest* 57: 1165-72, May 76 (Eng) DL/76AUG149

MEMBRANE PERMEABILITY AS A CAUSE OF TRANSPORT DEFECTS IN EXPERIMENTAL FANCONI SYNDROME. A NEW HYPOTHESIS. Bergeron M, Dubord L, Hausser C, Schwab C *J Clin Invest* 57: 1181-9, May 76 (Eng) DL/76AUG150

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman J *J Clin Invest* 57: 1293-301, May 76 (Eng) DL/76AUG151

SUMMARY OF THE DISCUSSION ON THE THEME: BASIC CONCEPTS AND REQUIREMENTS DURING INTRAVENOUS ALIMENTATION. PP. 121-9. Anonymous *Int Abnefeld FW, et al., ed. Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) DL/76AUG158

INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA. Harmon JT, Hilf R J

*Supramol Struct* 4: 233-40, 1976 (Eng) DL/76AUG222

COOPERATIVE PROPERTIES OF HORMONE RECEPTORS IN CELL MEMBRANES. De Meyts P *J Supramol Struct* 4: 241-58, 1976 (Eng) DL/76AUG223

AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241

EFFECT OF ALCOHOL ADMINISTRATION ON PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA. Priem HA, Shanley BC, Malan C *Metabolism* 25: 397-403, Apr 76 (Eng) DL/76AUG242

FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY. Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA. Davidson MB, Fisher MB, Dahir-Vaziri N, Schaffer M *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245

GLUCOCORTICOID AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT. Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

ESTIMATION OF THE CAPILLARY PERMEABILITY COEFFICIENTS OF INSULIN IN VARIOUS TISSUES OF THE RABBIT. Wittmers LE Jr, Bartlett M, Johnson JA *Microvasc Res* 11: 67-78, Jan 76 (Eng) DL/76AUG248

MEETING THE SPECIAL NEEDS OF DIABETICS FACING SURGERY. McConnell EA *Nursing (Jenkintown)* 6: 30-7, Jun 76 (Eng) DL/76AUG278

[CHAINS A AND B, CIRCULATING FRACTIONS OF INSULIN] Orsetti A *Pathol Biol (Paris)* 23: 849-52, Dec 75 (Fre) DL/76AUG284

[CHANGES OF SERUM LIPIDS DURING PARENTERAL FEEDING WITH A 10 PERCENT OF SOY OIL SOLUTION (AUTHORS' TRANSL)] Hernandez Lopez D, Rivera Hidalgo P, Guedea MS, Rivas y Rivas RM, Gutierrez Samperio C *Prensa Med Mex* 40: 346-51, Nov-Dec 75 (Spa) DL/76AUG314

DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS. Roldan A, Stevens J, Hollander VP *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321

REDUCTION IN MYOCARDIAL INFARCT SIZE: PREVENTION OF HEART CELL DEATH. Kones RJ, Phillips JH *South Med J* 69: 442-8, Apr 76 (Eng) DL/76AUG342

[ROLE OF NUTRITION IN THE PREVENTION AND TREATMENT OF ATHEROSCLEROSIS] Szostak WB *Wiad Lek* 29: 709-13, 15 Apr 76 (Pol) [9] DL/76AUG375

EFFECTS OF GLUCOCORTICOID ON CARBOHYDRATE METABOLISM. Olefsky JM, Kimmmerling G *Am J Med Sci* 271: 202-10, Mar-Apr 76 (Eng) DL/76AUG340

##### I.C.1.6 INSULIN, BLOOD



- [INSULIN CONTENT OF RAT BLOOD FOLLOWING INJURY TO THE VENTROMEDIAL SECTION OF THE HYPOTHALAMUS] Goldberg RS, Kasatkin IuN, Lazaris Ial, Smirnova LK *Bull Eksp Biol Med* 79: 40-3, Jun 75 (Rus) DL/76AUG9
- LETTER: METABOLIC EFFECTS OF BRAN. Leeds A, Gassull MA, Jenkins DJ, Alberti KG *Br Med J* 1: 900-1, 10 Apr 76 (Eng) DL/76AUG22
- [PLASMATIC IMMUNOREACTIVE INSULIN IN TRAINED ATHLETES] Karlick V, Topolcan O, Jeschke J *Cas Lek Cesk* 115: 324-6, 19 Mar 76 (Cze) DL/76AUG26
- [IMMUNOREACTIVE INSULIN IN OBESE PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL)] Karlick V, Topolcan O, Chudacek Z *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29
- INTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM. Hildner FJ, Yeh BK, Javier RP, Fester A, Samet P *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31
- X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGONADISM AND MENTAL RETARDATION IN TWO SIBLINGS. Abe K, Matsuda I, Matsura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43
- FURTHER EVIDENCE FOR THE EXISTENCE OF GENETICALLY DETERMINED METABOLIC DIFFERENCES BETWEEN L(PA) AND L(PA-) INDIVIDUALS. Dahlen G, Berg K *Clin Genet* 9: 357-64, Mar 76 (Eng) DL/76AUG44
- THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68
- EFFECTS OF NEUROTENSIN AND SUBSTANCE P ON PLASMA INSULIN, GLUCAGON AND GLUCOSE LEVELS. Brown N, Vale W *Endocrinology* 98: 819-22, Mar 76 (Eng) DL/76AUG73
- [RADIOIMMUNOLOGICAL DETERMINATIONS OF INSULIN IN SMALL SERUM SAMPLES USING WICK-CHROMATOGRAPHY] Ulrich F, Schneyer U, Hadecke J *Endokrinologie* 63: 364-7, 1974 (Ger) DL/76AUG79
- LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS. Daubresse JC, Lerson G, Planteux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86
- TRIGLYCERIDE METABOLISM IN ACUTE STARVATION: THE ROLE OF SECRETIN AND GLUCAGON. Stout RW, Henry RW, Buchanan KD *Eur J Clin Invest* 6: 179-85, 31 Mar 76 (Eng) DL/76AUG87
- ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PRELD MOUSE. Hunt CE, Lindsey JR, Walkley SU *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93
- [INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palumieri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98
- EFFECTS OF INSULIN-FREE PLASMA ON THE CHARCOAL-SEPARATION METHOD FOR RADIOIMMUNOASSAY OF INSULIN. Frayn KN *Horm Metab Res* 8: 102-5, Mar 76 (Eng) DL/76AUG110
- INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGinine IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111
- EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G Jr *Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112
- DIURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113
- RADIORECEPTOR ASSAY FOR INSULIN. Suzuki K, Ohsawa N, Kosaka K *J Clin Endocrinol Metab* 42: 399-402, Feb 76 (Eng) DL/76AUG144
- INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET. Ginsberg H, Olefsky JM, Kimmerling G, Crapo P, Reaven GM *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145
- XYLITOL: STIMULATION OF INSULIN AND INHIBITION OF GLUCAGON RESPONSES TO ARGinine IN MAN. Seino Y, Taminato T, Inoue Y, Goto Y, Ikeda M *J Clin Endocrinol Metab* 42: 736-43, Apr 76 (Eng) DL/76AUG146
- GUIDELINES FOR THE DOSAGE AND APPLICATION OF THE INTRAVENOUS PROVISION OF NUTRIENT SUBSTANCES IN PATIENTS WITH RENAL FAILURE. PP. 160-6. Kult J, Heidland A *In: Altmeyer FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143* 1974. (Eng) [10] DL/76AUG156
- PHYSIOLOGY OF METABOLISM DURING STARVATION. PP. 17-30. Dietze G, Wickmayer M, Mehnert H *In: Altmeyer FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143* 1974. (Eng) [16] DL/76AUG157
- THE METABOLISM OF INFUSED MALTOSE AND OTHER SUGARS. PP. 73-99. Young EA, Weser E *In: Jeenes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QJ 75 A512p* 1974. (Eng) [88] DL/76AUG176
- PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D *In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QJ 167 C557* 1971. (Eng) [28] DL/76AUG188
- THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196
- THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197
- DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS. Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201
- SIX-MONTH FOLLOW-UP IN WEANING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES. Bernardis LL, Goldman JK, Chlou-
- verakis C, Frohman LA *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205
- [ADIPOSITY IN CHILDREN] Spahn U, Knoll G, Plenert W *Kinderarztl Prax* 43: 166-80, Apr 75 (Ger) [71] DL/76AUG213
- INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA. Harmon JT, Hill R *J Supramol Struct* 4: 233-40, 1976 (Eng) DL/76AUG222
- PLASMA IMMUNOREACTIVE INSULIN AND SOMATOTROPIN IN DELIRIUM TREMENS AND ALCOHOLIC HALLUCINOSIS. Dobrzanski T, Pieschl D *J Stud Alcohol* 37: 327-33, Mar 76 (Eng) DL/76AUG224
- SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN—A REVIEW. Wisom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237
- EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT. Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240
- AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241
- COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA. Bonkowski HL, Magnusen CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243
- HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256
- LETTER: GLUCAGON AND BLOOD SUGAR. Anonymous *N Engl J Med* 294: 1238-40, 27 May 76 (Eng) DL/76AUG266
- RESULTS OF A COMPARATIVE STUDY ON INSULIN RADIOIMMUNOASSAY IN 36 ITALIAN LABORATORIES. Costantini A, Lostia O, Malvano R, Rrolleri E, Taggi F, Zucchielli GC *Pathol Biol (Paris)* 23: 873-83, Dec 75 (Eng) DL/76AUG285
- [CONTINUOUS STUDY OF RAPIDLY FLUCTUATING PARAMETERS IN THE STUDY OF GLUCOREGULATION] Collard F, Orsetti A, Mirozse J *Pathol Biol (Paris)* 23: 747-52, Nov 75 (Fre) DL/76AUG286
- [THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY] Schaison G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293
- INSULIN SECRETION IN PATIENTS WITH CHRONIC HEPATITIS TREATED WITH LIPOSTABIL. Kuska J, Kokot F *Pol Med Sci Hist Bull* 15: 433-8, Jul-Aug 75 (Eng) DL/76AUG305
- GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERM-FREE RATS. Sewell DL, Bruckner-Kardoss F, Lorenz LM, Wostmann BS *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322

## Diabetes Literature—Hierarchical Index

### I.C INSULIN

[CLINICAL AND LABORATORY PROBLEMS IN RADIOIMMUNOLOGIC DETERMINATION] Castelli A *Quad Sclavo Diagn* 11: 179-82, Jun 75 (Ita) DL/76AUG326

[CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavagnini F, Peracchi M, Panerai AE, Pinto M *Quad Sclavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328

RADIOIMMUNOASSAY. Ratcliffe FG *Recent Adv Clin Nucl Med* 1: 151-87, 1975 (Eng) [119] DL/76AUG332

GASTRIC EMPTYING OF HYPERTONIC GLUCOSE IN DIABETES MELLITUS AND DUODENAL ULCER. Hall WH, Sanders LL *South Med J* 69: 433-5, Apr 76 (Eng) DL/76AUG341

[INSULINEMIA IN RENAL GLYCOSURIA] Polackova H, Kmoch J, Prokes J, Svoboda Z, Vsetecka A *Vnitř Lek* 22: 341-4, Apr 76 (Cze) DL/76AUG363

[CARBOHYDRATE TOLERANCE, SERUM INSULIN AND TRIGLYCERIDES IN CORONARY DISEASE] Dobrev DG, Ilkov A *Vutr Boles* 14: 11-22, 1975 (Bul) DL/76AUG371

[METABOLIC EFFECT OF A CARBOHYDRATE COMBINATION DURING SIMULTANEOUS AMINO ACID INFUSION] Berg G, Matzkies F, Heid H, Fekl W *Z Ernährungswiss* 14: 163-74, Sep 75 (Ger) DL/76AUG379

[DIAGNOSIS OF THE EARLY STAGES OF DIABETES AND PREVENTION OF DIABETES MANIFESTATIONS] Michaelis D, Neumann I, Schulz B *Z Gesamte Inn Med* 30: 42-4, May 75 (Ger) DL/76AUG386

[PATHOGENIC CHARACTERISTICS OF THE EARLY STAGES OF DIABETES MELLITUS AND PREVENTIVE CONSEQUENCES] Popov A *Z Gesamte Inn Med* 30: 44-8 contd, May 75 (Ger) DL/76AUG387

[THE XYY SYNDROME (BRIEF CLINICOMORPHOLOGIC CHARACTERISTICS)] Marinina GP, Blagoveshchenskaia TA, Oleinikov NI *Zh Nevropatol Psikhiatr* 76: 413-6, 1976 (Rus) DL/76AUG394

EFFECT OF SURGERY ON CARBOHYDRATE METABOLISM. Alant O, Pulay I, Esztergalyos J, Bodnar A *Acta Chir Acad Sci Hung* 16: 307-14, 1975 (Eng) DL/76AUG396

FAILURE OF ERGOTAMINE TO ACT AS AN AMPLIFIER OF SULFONYLUREA-STIMULATED INSULIN SECRETION. Sirek A, Sirek OV, Policova Z *Acta Diabetol Lat* 12: 199-201, May-Aug 75 (Eng) DL/76AUG401

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN. Fallucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

SERUM INSULIN VALUES DURING ORAL GLUCOSE TOLERANCE TEST IN VARIOUS AGE GROUPS. Kerpel-Fronius E, Gacs G *Acta Paediatr Acad Sci Hung* 16: 197-202, 1975 (Eng) DL/76AUG413

SUGAR METABOLISM IN OBESE CHILDREN. Barta L, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414

[COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415

[CELL-MEDIATED IMMUNE RESPONSE IN JUVENILE DIABETES] Karmazin L, Amoro I *Acta Paediatr Acad Sci Hung* 16: 317-26, 1975 (Ger) DL/76AUG417

EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY. Syvalahti E, Lammintausta R, Pekkarinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418

DETECTION AND CHARACTERIZATION OF MIDDLE-AGED MEN WITH HYPERTENSION. Hedstrand H, Aberg H *Acta Med Scand* 199: 273-80, 1976 (Eng) DL/76AUG419

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

CERTAIN METABOLIC CONSEQUENCES OF JEJUNOILEAL BYPASS. Bendezu R, Wieland RG, Green SG, Hallberg MC, Marsters RW *Am J Clin Nutr* 29: 366-70, Apr 76 (Eng) DL/76AUG426

DIABETES AMONG MEN IN A GENERAL POPULATION. PREVALENCE AND ASSOCIATED PHYSIOLOGICAL FINDINGS. Ostrander LD, Lamphier DE, Block WD *Arch Intern Med* 136: 415-20, Apr 76 (Eng) DL/76AUG456

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBESE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

EARLY EFFECTS OF THE ADMINISTRATION OF STREPTOZOTOCIN ON MUSCLE GLYCOGEN. de Paoli AA, Masiello P, Bergamini E *Biochem Pharmacol* 25: 933-5, 15 Apr 76 (Eng) DL/76AUG469

#### I.C.1.7 INSULIN, URINE

### I.C.2 INSULIN, PHYSIOLOGY RELATED

#### I.C.2.1 INSULIN, PHYSIOLOGY

[INSULIN AND ITS PHYSIOLOGICAL EFFECTS] Bories H *Infirm Fr* 21-4, Mar 76 (Fre) DL/76AUG422

CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH. Costin G, Kogut MD, Phillips LS, Daughaday WH *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG442

RADIORECEPTOR ASSAY FOR INSULIN. Suzuki K, Ohsawa N, Kosaka K *J Clin Endocrinol Metab* 42: 399-402, Feb 76 (Eng) DL/76AUG444

ENZYMES OF GLYCOGEN METABOLISM AND THEIR CONTROL. PP. 235-43. Segal HL. In: *Jeannes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American

Chemical Society, 1975. QU 75 A512p 1974. (Eng) [11] DL/76AUG471

FACTORS INFLUENCING ADIPOSE TISSUE RESPONSE TO FOOD CARBOHYDRATES. PP. 46-53. Romsos DR, Leveille GA. In: *Jeannes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [21] DL/76AUG472

THE ROLE OF CYCLIC AMP AND PROSTAGLANDINS IN HEPATIC AND GASTROINTESTINAL FUNCTIONS. PP. 75-117. Levine RA. In: *Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP*. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) [95] DL/76AUG480

INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY. Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG477

[CHAINS A AND B, CIRCULATING FRACTIONS OF INSULIN] Orsetti A *Pathol Biol (Paris)* 23: 849-52, Dec 75 (Fre) DL/76AUG484

NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakor P *Prog Food Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330

[LIVER AND DIABETES MELLITUS] Genes SG *Ter Arkh* 48: 119-28, 1976 (Rus) DL/76AUG350

[ETIOPATHOGENESIS OF DIABETES MELLITUS TODAY (CONTINUATION)] Bibergel H *Z Gesamte Inn Med* 30: 33-6 contd, May 75 (Ger) DL/76AUG384

PARADOXICAL INCREASED FEEDING FOLLOWING GLUCOSE INFUSIONS IN RECOVERED LATERAL RATS. Novin D, Gonzalez MF, Sanderson JD *Am J Physiol* 230: 1084-9, Apr 76 (Eng) DL/76AUG438

#### I.C.2.2 INSULIN, SECRETION

EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE. Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23

THE EFFECT OF SOMATOSTATIN ON RELEASE AND INSULINOTROPIC ACTION OF GASTRIC INHIBITORY POLYPEPTIDE. Pederson RA, Dryburgh JR, Brown JC *Can J Physiol Pharmacol* 53: 1200-5, Dec 75 (Eng) DL/76AUG25

INHIBITION OF PANCREATIC ISLET MONOAMINE OXIDASE BY ADRENERGIC ANTAGONISTS AND ETHANOL. Feldman JM *Endocr Res Commun* 2: 503-20, 1975 (Eng) DL/76AUG67

THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION. Charles MA, Imagawa W, Forsham PH, Grodsky GM *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70

[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE] Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

## Diabetes Literature—Hierarchical Index

### I.C INSULIN

- [NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80
- [INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palumieri E *G Clin Med* 53: 362-70, May 74 (Ita) DL/76AUG98
- ENDOCRINE CHANGES IN SEPSIS. Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131
- RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS. Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensinek JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141
- BENEFITS OF DIETARY FRUCTOSE IN ALLEVIATING THE HUMAN STRESS RESPONSE. PP. 54-72. Palm JD *Ino Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) DL/76AUG170
- PHYSIOLOGICAL EFFECTS OF MANNANS, GALACTOMANNANS, AND GLUCOMANNANS. PP. 296-311. Davis SE, Lewis BA *Ino Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [103] DL/76AUG175
- [SOMATOSTATIN — A REVIEW (AUTHORS TRANSL.)] Lucke C, Mitzkat HJ, von zur Muhlen A *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217
- [FUNCTION TESTS FOR CARBOHYDRATE METABOLISM IN CLINICAL AND MEDICAL PRACTICE. BASIC PRINCIPLES, TECHNIC AND VALUE] Kattermann R, Kobberling J *Med Welt* 26: 2293-9, 19 Dec 75 (Ger) DL/76AUG238
- THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaisse WJ *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247
- THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl LA, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254
- [EFFECT OF CLOFIBRATE ON GLUCOSE TOLERANCE AND INSULIN SECRETION IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA (AUTHORS TRANSL.)] Schwandt P, Weisweiler P, Neureuther G, Wilkenning J *Munch Med Wochenschr* 118: 351-4, 19 Mar 76 (Ger) DL/76AUG257
- [LETTER: HYPOGLYCEMIA DURING BETA BLOCKING TREATMENT] Certin M, Wechsler B, Bletty O, Godeau P *Nouv Presse Med* 5: 862, 27 Mar 76 (Fre) DL/76AUG296
- INSULIN SECRETION IN PATIENTS WITH CHRONIC HEPATITIS TREATED WITH LIPOSTABIL. Kuska J, Kokot F *Pol Med Sci Hist Bull* 15: 433-8, Jul-Aug 75 (Eng) DL/76AUG305
- [CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavagnini F, Peracchi M, Panerai AE, Pinto M *Quad Scavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328
- [LIVER AND DIABETES MELLITUS] Genes SG *Ter Arkh* 48: 119-28, 1976 (Rus) DL/76AUG350
- [INSULIN SECRETION IN PATIENTS FOLLOWING JURASZS SURGERY FOR PANCREATIC PSEUDOCYST] Svoboda Z, Prokes J, Dobesova L, Vnitr Lek 22: 336-40, Apr 76 (Cze) DL/76AUG362
- FAILURE OF ERGOTAMINE TO ACT AS AN AMPLIFIER OF SULFONYLUREA-STIMULATED INSULIN SECRETION. Sirek A, Sirek OV, Policova Z *Acta Diabetol Lat* 12: 199-201, May-Aug 75 (Eng) DL/76AUG401
- INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLOC-AMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS. Joost HG, Beckmann J, Lenzen S, Haselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407
- DIRECT NEURAL INHIBITION OF INSULIN SECRETION IN RESPONSE TO SYSTEMIC HYPOGLYCEMIA. Miller RE, Waid TH, Joyce MP *Am J Physiol* 230: 1090-4, Apr 76 (Eng) DL/76AUG439
- [COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449
- [A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL.)] Leborgne J, Panier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452
- SELECTIVE INHIBITION OF THE FACILITATED MODE OF SUGAR UPTAKE BY CYTOCHALASIN B IN CULTURED CHICK FIBROBLASTS. Dolberg DS, Bassham JA, Bissell MJ *Exp Cell Res* 96: 129-37, Nov 75 (Eng) \*DL/76AUG498
- STIMULATION OF 2-DEOXY-D-GLUCOSE TRANSPORT IN CONTROL AND VIRUS-TRANSFORMED CELLS BY ETHIDIUM BROMIDE. Soslau G, Nass MM *J Cell Physiol* 86: 269-80, Oct 75 (Eng) \*DL/76AUG538
- ### I.C.3 INSULIN, PHARMACOLOGY RELATED
- #### I.C.3.1 INSULIN, PHARMACODYNAMICS
- STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE. Brockman RP, Bergman EN, Pollak WL, Brondum J *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24
- THE PRESENCE OF INSULIN IN AND SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS. Ishay J, Gitter S, Galun R, Doron M, Laron Z *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58
- CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER. Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69
- THE EFFECT OF DIABETES, INSULIN, AND THE REDOX POTENTIAL ON LEUCINE METABOLISM BY ISOLATED RAT HEMIDIAPHRAGM. Buse MG, Herlong HF, Weigand DA *Endocrinology* 98: 1166-75, May 76 (Eng) DL/76AUG74
- THE EFFECTS OF INSULIN AND GROWTH HORMONE ON THE RELEASE OF SOMATOMEDIN BY THE ISOLATED RAT LIVER. Daughaday WH, Phillips LS, Mueller MC *Endocrinology* 98: 1214-9, May 76 (Eng) DL/76AUG75
- EPIDERMAL THICKNESS OF THE EAR LOBE AND DIABETES. Posinovec J, Hebrang H *Endokrinologie* 63: 381-5, 1974 (Eng) DL/76AUG81
- FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. IV. INFLUENCE OF INSULIN AND EPINEPHRINE ON LIPOGENESIS FROM (14C)-U-GLUCOSE. Somer JB, Schwartz CJ *Exp Mol Pathol* 24: 129-41, Apr 76 (Eng) DL/76AUG88
- THE EFFECT OF NUTRITIONAL FACTORS ON BRAIN AMINO ACID LEVELS AND MONOAMINE SYNTHESIS. Fernstrom JD *Fed Proc* 35: 1151-6, Apr 76 (Eng) DL/76AUG92
- SHORT-TERM MEASUREMENT OF D-XYLOSE UPTAKE BY ISOLATED RAT SOLEUS MUSCLE. Sloan IG, Korbl GP, Gould MK *Mol Cell Endocrinol* 4: 223-37, Mar 76 (Eng) DL/76AUG96
- HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIBIA MEANS LIVER IN ORGAN CULTURE. Brown D, Fleming N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103
- ACID INHIBITION IN INSULIN TEST: A PRELIMINARY REPORT. Venkataraman MS, Balasubramanian V, Kanaka TS, Nanjunda Rao R *Indian J Physiol Pharmacol* 19: 207-12, Oct-Dec 75 (Eng) DL/76AUG119
- ELECTRON MICROSCOPY OF CULTURED MAMMALIAN LENSES. II. CHANGES PRECEDING AND ACCOMPANYING INSULIN-INDUCED MITOSIS. Reddan JR, Unakar NJ *Invest Ophthalmol* 15: 411-7, May 76 (Eng) DL/76AUG125
- FACTORS INFLUENCING BONE FORMATION IN ORGAN CULTURE. Raisz LG, Dietrich JW, Canalis EM *Int J Med Sci* 12: 108-14, Feb 76 (Eng) DL/76AUG130
- PURIFICATION AND PHYSIOLOGICAL ROLE OF A PEPTIDE STABILIZING FACTOR OF RAT LIVER PHOSPHOFRUCTOKINASE. Duway GA, Segal HL *J Biol Chem* 251: 2323-9, 25 Apr 76 (Eng) DL/76AUG133
- POLYAMINE TRANSPORT AND METABOLISM IN MOUSE MAMMARY GLAND. GENERAL PROPERTIES AND HORMONAL REGULATION. Kano K, Oka T *J Biol Chem* 251: 2795-800, 10 May 76 (Eng) DL/76AUG135
- AN ANOMALY OF INSULIN REMOVAL IN PERFUSED LIVERS OF OBESE-HYPERGLYCEMIC (OB/OB) MICE. Karakash C, Assimacopoulos-Jeanet F, Jeanrenaud B *J Clin Invest* 57: 1117-24, May 76 (Eng) DL/76AUG148
- THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER. Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

## Diabetes Literature—Hierarchical Index

### I.C INSULIN

**CYCLIC GUANOSINE 3:5-MONOPHOSPHATE AND THE REGULATION OF LIPOLYSIS IN RAT FAT CELLS.** Fain JN, Butcher FR *J Cyclic Nucleotide Res* 2: 71-8, 1976 (Eng) DL/76AUG153

**EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES.** PP. 129-47. McCarty KS Jr, McCarty KS Sr *In: Hess M, ed. Electron microscopic concepts of secretion.* New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG164

**ENERGETIC ASPECTS OF LATE FETAL AND NEONATAL METABOLISM.** PP. 1-9. Hommes FA *In: Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism.* London, Academic Press, 1975. WD 205 N842 1974. (Eng) [38] DL/76AUG167

**METABOLIC EFFECTS OF DIETARY CARBOHYDRATES—A REVIEW.** PP. 20-45. Reiser S *In: Ino Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates.* Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [106] DL/76AUG173

**THE METABOLISM OF INFUSED MALTOSE AND OTHER SUGARS.** PP. 73-99. Young EA, Weser E *In: Ino Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates.* Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [88] DL/76AUG176

**[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION]** PP. 99-113. Mouriquand J *In: Namer M, Lallanée CM, ed. Hormones and breast cancer.* Paris, INSERM, 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183

**STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE.** PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq J *In: Namer M, Lallanée CM, ed. Hormones and breast cancer.* Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184

**EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT.** Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240

**NUTRIENT-DEPENDENT ARREST OF FIBROBLAST GROWTH IS PARTIALLY REVERSED BY INSULIN BUT NOT FIBROBLAST GROWTH FACTOR.** Kamely D, Rudland P *Nature* 260: 51-3, 4 Mar 76 (Eng) DL/76AUG271

**INSULIN STIMULATES ACTIVE SODIUM TRANSPORT IN TOAD BLADDER BY TWO MECHANISMS.** Wiesmann WP, Sinha S, Klahr S *Nature* 260: 546-7, 8 Apr 76 (Eng) DL/76AUG272

**PROLACTIN AND GONADAL FUNCTION.** Besser GM, Thorner MO *Pathol Biol (Paris)* 23: 779-82, Dec 75 (Eng) DL/76AUG281

**EFFECT OF FASTING AND INSULIN ON THE GLUCAGON-INDUCED ORTHOPHOSPHATE INCORPORATION TO THE ISOLATED PERFUSED RAT LIVER.** De Venanzi F, Pena F, Jimenez O, De Alvarado H *Proc Soc Exp Biol Med* 152: 47-51, May 76 (Eng) DL/76AUG323

**EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS.** Dvorak M, Raszyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

**[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH**

**HYPOGLYCEMIA PROVOKED BY INSULIN]** Kolobinov NK, Ankov VK, Pavlov DN *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

**[THE ACTION OF INSULIN ON RIBONUCLEIC ACID METABOLISM (AUTHORS TRANSL.)]** Tragl KH *Wien Klin Wochenschr* 87: 361-3, 30 May 75 (Ger) DL/76AUG377

**INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG.** Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

**EFFECTS OF INSULIN HYPOGLYCAEMIA IN THE SHEEP ON JUGULAR HAEMATOCRIT AND PLASMA CORTICOSTEROID CONCENTRATIONS.** Dooley PC, Williams VJ *Aust J Biol Sci* 28: 503-9, Dec 75 (Eng) DL/76AUG466

#### I.C.3.2 INSULIN, ANTAGONISTS AND INHIBITORS

#### I.C.3.3 INSULIN, ADVERSE EFFECTS

**SUMMARY OF THE DISCUSSION ON THE THEME: BASIC CONCEPTS AND REQUIREMENTS DURING INTRAVENOUS ALIMENTATION.** PP. 121-9. Anonymous *In: Ahnefeld FW, et al., ed. Parenteral nutrition.* Berlin, Springer, 1976. WB 410 I43 1974. (Eng) DL/76AUG158

**THE GLUCOSE-INSULIN RATIO IN AMNIOTIC FLUID.** Newman R, Tuteria G *Obstet Gynecol* 47: 599-601, May 76 (Eng) DL/76AUG279

**CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES.** Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

#### I.C.4 HYPERINSULINISM

**[HYPERINSULINISM. NEUROLOGICAL AND PSYCHIATRIC ASPECTS (AUTHORS TRANSL.)]** Matz D, Enders P, Baumeister G *J Neurol* 212: 177-82, 23 Apr 76 (Ger) DL/76AUG198

**[EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL.)]** Sailer R, Katoh E, Drunklee D, Kovacicsek S, Berger M *Munch Med Wochenschr* 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

**[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERINSULINISM AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS]** Rusconi C, Cicogna R, Orlando G, Guerra U, Peroni A *Minerva Cardioangiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

**INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY.** Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG277

**DOES HYPERINSULINEMIA IN OB/OB MICE CAUSE AN INSULIN-STIMULATED ADIPOSE TISSUE LOTEN EG.** Le Marchand Y, Assimacopoulos-Jeannet F, Denton RM, Jeanrenaud B *Am J Physiol* 230: 602-7, Mar 76 (Eng) DL/76AUG437

#### I.C.4.1 INSULIN COMA

**[COMA HYPOGLYCAEMICUM POSTALCOHOLICUM]** Andrejevic B *Lijec Vjesn* 97: 575-7, Nov 75 (Cro) DL/76AUG236

**[TISSUE EXCISION AT THE INJECTION SITE AS A POSSIBLE EMERGENCY THERAPY IN**

**SUICIDE USING DEPOT-INSULIN]** Guderjahn R *Med Welt* 27: 538-9, 12 Mar 76 (Ger) DL/76AUG239

### I.C.5 INSULIN ANTIBODIES

**EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE.** Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23

**FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY.** Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

**FATAL FULMINANT DIABETES MELLITUS.** Jewett JF *N Engl J Med* 294: 1289-90, 3 Jun 76 (Eng) DL/76AUG269

**[MONOCOMPONENT INSULIN]** Reitsma WD *Ned Tijdschr Geneesk* 120: 760-2, 24 Apr 76 (Dut) DL/76AUG274

**INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY.** Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG277

**[IMMUNO-REACTIVE INSULIN-LIKE SUBSTANCES IN THE RAT]** Felix JM, Sutter-Dub MT, Legrelle C, Billaudel B, Sutter BC, Jacquot R *Pathol Biol (Paris)* 23: 841-8, Dec 75 (Fre) DL/76AUG283

**[CHAINS A AND B, CIRCULATING FRACTIONS OF INSULIN]** Orsetti A *Pathol Biol (Paris)* 23: 849-52, Dec 75 (Fre) DL/76AUG284

**CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES.** Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

**RESEARCH ON A NEW TYPE OF ANTINSULIN ANTIBODY IN A DIABETIC FEMALE PATIENT: THE CYTOTOXIC ANTIBODY. ANTINSULIN CYTOTOXIC ANTIBODY.** Mathov E, Greiding I *Allergol Immunopathol (Madr)* 4: 1-14, Jan-Feb 76 (Eng) DL/76AUG424

**DOES HYPERINSULINEMIA IN OB/OB MICE CAUSE AN INSULIN-STIMULATED ADIPOSE TISSUE LOTEN EG.** Le Marchand Y, Assimacopoulos-Jeannet F, Denton RM, Jeanrenaud B *Am J Physiol* 230: 602-7, Mar 76 (Eng) DL/76AUG437

### I.C.6 INSULIN RESISTANCE

**HAZARDS OF MONOCOMPONENT INSULINS.** Logie AW, Stowers JM *Br Med J* 1: 879-80, 10 Apr 76 (Eng) DL/76AUG20

**FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY.** Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

**FATAL FULMINANT DIABETES MELLITUS.** Jewett JF *N Engl J Med* 294: 1289-90, 3 Jun 76 (Eng) DL/76AUG269

**INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY.** Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG277

**NUTRITION AND THE ENDOCRINE GLANDS.** Eisenstein AB, Singh SP, Thakor P *Prog Food*



# 1.D GLUCAGON

*Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330

RESEARCH ON A NEW TYPE OF ANTIINSULIN ANTIBODY IN A DIABETIC FEMALE PATIENT: THE CYTOTOXIC ANTIBODY. ANTIINSULIN CYTOTOXIC ANTIBODY. Mathov E, Greiding I. *Allergol Immunopathol (Madr)* 4: 1-14, Jan-Feb 76 (Eng) DL/76AUG424

EFFECTS OF GLUCOCORTICOID ON CARBOHYDRATE METABOLISM. Olefsky JM, Kimmerling G. *Am J Med Sci* 271: 202-10, Mar-Apr 76 (Eng) DL/76AUG430

## 1.C.7 INSULIN, THERAPY RELATED

### 1.C.7.1 INSULIN, DIAGNOSTIC USE

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP. *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

[RECURRENT ULCER FOLLOWING VAGOTOMY: COMPLETION OF VAGOTOMY OR RESECTION (AUTHORS TRANSL.)] Bauer H, Holle F. *Munch Med Wochenschr* 118: 453-6, 9 Apr 76 (Ger) DL/76AUG260

HUMAN GROWTH HORMONE. Hamilton W. *Scott Med J* 20: 197-200, Sep 75 (Eng) DL/76AUG339

[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH HYPOGLYCEMIA PROVOKED BY INSULIN] Koleshin NK, Ankov VK, Pavlov DN. *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

[MECHANISM OF SOMATOTROPIN HORMONE SECRETION AND A TEST FOR ITS EVALUATION] Maleceva A, Milanov S. *Vutr Boles* 14: 11-6, 1975 (Bul) DL/76AUG368

[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSO-ADRENAL SYSTEM IN OBESITY] Dobrev D, Pavlov D, Stoilov I. *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

### 1.C.7.2 INSULIN ADMINISTRATION AND DOSAGE (SEE 1.F.9.3.1)

### 1.C.7.3 INSULIN, THERAPEUTIC USE (SEE 1.F.9.3.2)

## 1.C.8 INSULIN, HISTORY

# 1.D GLUCAGON

EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE. Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A. *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23

[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE] Frowein J, Petersen KG. *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

[GASTROINTESTINAL HORMONES] Feurle GE. *Internist (Berlin)* 17: 129-35, Mar 76 (Ger) DL/76AUG124

PREDICTION OF PROTEIN CONFORMATION: CONSEQUENCES AND ASPIRATIONS. PP. 114-25. Fasman GD, Chou PY. In: Blout ER, et al., ed. *Peptides, polypeptides and proteins*. New York, Wiley, 1974. W3RE441K 1974p. (Eng) [55] DL/76AUG161

ADENOSINE 35 MONOPHOSPHATE IN EXPERIMENTAL HEMORRHAGIC SHOCK. PP. 249-50. Rutenburg AM. In: Kahn RH, Lands WE, ed. *Prostaglandins and cyclic AMP*. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) DL/76AUG178

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH. *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

RECOGNITION OF ANTIGEN BY B AND T LYMPHOCYTES. Roelants GE. *Adv Exp Med Biol* 66: 409-12, 1976 (Eng) DL/76AUG422

## 1.D.1 GLUCAGON, BIOCHEMISTRY RELATED

### 1.D.1.1 GLUCAGON, ANALYSIS

IDENTIFICATION OF GLUCAGON-PRODUCING CELLS (A CELLS) IN DOG GASTRIC MUCOSA. Baetens D, Rufenner C, Srikanth BC, Dobbs R, Unger R, Orci L. *J Cell Biol* 69: 455-64, May 76 (Eng) DL/76AUG137

[HETEROGENEITY OF PROTEIN HORMONES IN RADIOIMMUNOASSAY] Rosselin G, Bataille D, Laburthe M, Duran-Garcia S. *Pathol Biol (Paris)* 23: 793-803, Dec 75 (Fre) DL/76AUG282

### 1.D.1.2 GLUCAGON, METABOLISM

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF Langerhans in EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH. *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

EFFECT OF FEEDING AND FASTING ON THE EARLY STEPS OF GLUCAGON ACTION IN ISOLATED RAT LIVER CELLS. Fouchereau-Péron M, Rancón F, Freychet P, Rosselin G. *Endocrinology* 98: 755-60, Mar 76 (Eng) DL/76AUG71

SURVIVAL OF ISOLATED HUMAN ISLETS OF Langerhans MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerström C, Lundgren G, Westman J, Östman J. *J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

BIOCHEMICAL ASPECTS OF HEREDITARY FRUCTOSE INTOLERANCE. PP. 211-28. Van den Berghe G. In: *Hommes F.A. Van den Berg CJ, ed. Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [94] DL/76AUG166

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPLANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

### 1.D.1.3 GLUCAGON, BLOOD

SEVERE DIABETES: CURRENT KNOWLEDGE AS A BASIS FOR BETTER TREATMENT. Molnar GD. *Compr Ther* 1: 21-4, May 75 (Eng) DL/76AUG52

THERMOREGULATION IN THE YOUNG FOWL (GALLUS DOMESTICUS). Freeman BM. *Comp Biochem Physiol [A]* 54: 141-4, 1976 (Eng) DL/76AUG57

THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett CP, McCann SM. *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

EFFECTS OF NEUROTENSIN AND SUBSTANCE P ON PLASMA INSULIN, GLUCAGON AND GLUCOSE LEVELS. Brown M, Vale W. *Endocrinology* 98: 819-22, Mar 76 (Eng) DL/76AUG73

LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS. Daubresse JC, Lerson G, Planteux G, Rorive G, Luyckx AS, Lefebvre PJ. *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

TRIGLYCERIDE METABOLISM IN ACUTE STARVATION: THE ROLE OF SECRETIN AND GLUCAGON. Stout RW, Henry RW, Buchanan KD. *Eur J Clin Invest* 6: 179-85, 31 Mar 76 (Eng) DL/76AUG87

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A. *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

DURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG. *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113

XYLITOL: STIMULATION OF INSULIN AND INHIBITION OF GLUCAGON RESPONSES TO ARGININE IN MAN. Scino Y, Taminato T, Inoue Y, Goto Y, Ikeda M. *J Clin Endocrinol Metab* 42: 736-43, Apr 76 (Eng) DL/76AUG146

PHYSIOLOGY OF METABOLISM DURING STARVATION. PP. 17-30. Dietz G, Wicklmayr M, Mehnert H. In: *Almefeldt FW, et al., ed. Parenteral nutrition*. Berlin, Springer, 1976. WB 410 I43 1974. (Eng) [16] DL/76AUG157

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D. In: *Scheving LE, et al., ed. Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188

LETTER: DIABETES WITHOUT GLUCAGON. Barnes AJ, Bloom SR, Alford FP, Russell RC. *Lancet* i: 967, 1 May 76 (Eng) DL/76AUG232

LETTER: GLUCAGON AND BLOOD SUGAR. Anonymous. *N Engl J Med* 294: 1238-40, 27 May 76 (Eng) DL/76AUG266

[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY] Schaison G, Roger M, Milhaud G. *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN. Falucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D. *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

## 1.D.2 GLUCAGON, PHYSIOLOGY RELATED

### 1.D.2.1 GLUCAGON, PHYSIOLOGY

# 1.D GLUCAGON

**INHIBITION OF GASTRIC ACID SECRETION IN MAN BY EXOGENOUS AND ENDOGENOUS PANCREATIC GLUCAGON.** Christiansen J, Holst JJ, Kalaja E *Gastroenterology* 70: 688-92, May 76 (Eng) DL/76AUG101

**LETTER: DIABETES WITHOUT GLUCAGON.** Barnes AJ, Bloom SR, Alford FP, Russell RC *Lancet* 1: 967, 1 May 76 (Eng) DL/76AUG232

**SECRETIN, CHOLECYSTOKININ AND NEWER GASTROINTESTINAL HORMONES (SECOND OF TWO PARTS).** Rayford PL, Miller TA, Thompson JC *N Engl J Med* 294: 1157-63, 20 May 76 (Eng) [113] DL/76AUG261

**[GLUCAGON, STOMACH AND PANCREAS]** Kalinin AP, Radbil OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343

**HORMONAL CONTROL OF ESOPHAGEAL FUNCTION.** Snape WJ Jr, Cohen S *Arch Intern Med* 136: 538-42, May 76 (Eng) DL/76AUG457

## 1.D.2.2 GLUCAGON, SECRETION

**[IMMUNOCYTOCHEMICAL IDENTIFICATION OF THE GLUCAGON-SECRETING CELLS IN GASTRIC MUCOSA]** Baetens D, Rufeney C, Unger RH, Renold AE, Orci L *C R Acad Sci [D] (Paris)* 282: 195-7, 12 Jan 76 (Fre) DL/76AUG39

**THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON.** Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

**ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION.** Charles MA, Imagawa W, Forsham PH, Grodsky GM *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70

**DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISOLATION PERFUSED RAT PANCREAS AND THE EFFECT OF CHEMICAL SYMPLECTECTOMY.** Lundquist I, Fanska R, Grodsky GM *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72

**INHIBITION OF GASTRIC ACID SECRETION IN MAN BY EXOGENOUS AND ENDOGENOUS PANCREATIC GLUCAGON.** Christiansen J, Holst JJ, Kalaja E *Gastroenterology* 70: 688-92, May 76 (Eng) DL/76AUG101

**ENDOCRINE CHANGES IN SEPSIS.** Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

**POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN.** Marco J, Hedo JA, Martinelli J, Calle C, Villanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

**ADVANCES IN DIABETES.** Henry WL *J Natl Med Assoc* 68: 145-7, Mar 76 (Eng) DL/76AUG204

**[SOMATOSTATIN -- A REVIEW (AUTHORS TRANSL)]** Lucke C, Mizutani H, von zur Muhlen A *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217

**[GLUCAGON, STOMACH AND PANCREAS]** Kalinin AP, Radbil OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343

## 1.D.3 GLUCAGON, PHARMACOLOGY RELATED

### 1.D.3.1 GLUCAGON, ADMINISTRATION AND DOSAGE

**[BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBESE SUBJECTS]** Lanzara P, Marozzi P, Carmina E, Janni A *Pediatrics (Napoli)* 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291

**GLUCAGON AND BARIUM ENEMA EXAMINATIONS: A CONTROLLED CLINICAL TRIAL.** Harned RK, Stelling CB, Williams S, Wolf GL *Am J Roentgenol* 126: 981-4, May 76 (Eng) DL/76AUG442

### 1.D.3.2 GLUCAGON, PHARMACODYNAMICS

**LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE.** Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

**[ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION]** Cresteil T, Counis R, Raulin J *Biochimie* 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4

**ACTIVITY OF HUMAN ADENYLATE CYCLASE FROM HUMAN FAT CELL MEMBRANES.** Poupon R *Biomedicine [Express]* 23: 438-42, 20 Dec 75 (Eng) DL/76AUG5

**STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE.** Brockman RP, Bergman EN, Pollak WL, Brondum J *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24

**[EFFECTS OF GLUCAGON ON THE GASTRIC MICROCIRCULATION OF THE RAT]** Gagli PP, Dodi G, Zanon GF *Chir Patol Sper* 23: 111-4, Jun 75 (Ita) DL/76AUG61

**CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER.** Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69

**CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES.** Roos BA, Deftos LJ, Rorabaugh P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76

**HORMONAL CONTROL OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY DURING DEVELOPMENT OF THE RAT.** Hauser CA, Bailey E *Enzyme* 21: 115-26, 1976 (Eng) DL/76AUG83

**THE MITOCHONDRIAL PYRUVATE CARRIER, ITS EXCHANGE PROPERTIES AND ITS REGULATION BY GLUCAGON.** Titheradge MA, Coore HG *FEBS Lett* 63: 45-50, 15 Mar 76 (Eng) DL/76AUG90

**INHIBITION OF GASTRIC ACID SECRETION IN MAN BY EXOGENOUS AND ENDOGENOUS PANCREATIC GLUCAGON.** Christiansen J, Holst JJ, Kalaja E *Gastroenterology* 70: 688-92, May 76 (Eng) DL/76AUG101

**HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIUMA MEANS LIVER IN ORGAN CULTURE.** Brown D, Fleming N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

**HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS.** Macchi LA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

**GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA.** Mulvehill JB, Hui YS, Barnes LD, Palumbo PJ, Dousta TP *J Clin Endocrinol Metab* 42: 380-4, Feb 76 (Eng) DL/76AUG143

**THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER.** Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

**HORMONAL REGULATION OF ENZYME SYNTHESIS DIFFERENTIATING MAMMALIAN TISSUES.** PP. 55-61. Greengard O *In: Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism. London, Academic Press, 1975. WD 205 N842 1974. [Eng] [13] DL/76AUG169*

**THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS.** Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

**THE HLB DEPENDENCY FOR DETERGENT SOLUBILIZATION OF HORMONALLY SENSITIVE ADENYLATE CYCLASE.** Storm DR, Field SO, Ryan J *J Supramol Struct* 4: 221-31, 1976 (Eng) DL/76AUG221

**CHANGES IN CATECHOLAMINE- AND GLUCAGON-RESPONSIVE ADENYLATE CYCLASE ACTIVITY IN PRENEOPLASTIC RAT LIVER.** Boyd H, Martin TJ *Mol Pharmacol* 12: 195-202, Mar 76 (Eng) DL/76AUG253

**[BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBESE SUBJECTS]** Lanzara P, Marozzi P, Carmina E, Janni A *Pediatrics (Napoli)* 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291

**SIMPLE MODEL FOR HORMONE-ACTIVATED ADENYLATE CYCLASE SYSTEMS.** Hammes GG, Rodbell M *Proc Natl Acad Sci USA* 73: 1189-92, Apr 76 (Eng) DL/76AUG317

**EFFECT OF FASTING AND INSULIN ON THE GLUCAGON-INDUCED ORTHOPHOSPHATE INCORPORATION TO THE ISOLATED PERFUSED RAT LIVER.** De Venanzi F, Pena F, Jimenez O, De Alvarado H *Proc Soc Exp Biol Med* 152: 47-51, May 76 (Eng) DL/76AUG323

**TOTAL SYNTHESIS OF CRYSTALLINE GLUCAGON BY THE METHOD OF SOLID PHASE CONDENSATION OF FRAGMENTS. PROTEIN SYNTHESIS GROUP, SHANGHAI INSTITUTE OF BIOCHEMISTRY, ACADEMIA SINICA.** Anonymous *Sci Sin* 18: 745-68, Nov-Dec 75 (Eng) DL/76AUG338

**THE EFFECT OF GLUCAGON ON TOTAL LIVER BLOOD FLOW AFTER OCCLUSION OF THE HEPATIC ARTERY. A STUDY IN ANESTHETIZED, NORMOTENSIVE DOGS.** Darle N, Lim RC, Lindberg B *Acta Chir Scand* 142: 43-6, 1976 (Eng) DL/76AUG397

**THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS.** Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

**GLUCAGON AND BARIUM ENEMA EXAMINATIONS: A CONTROLLED CLINICAL TRIAL.** Harned RK, Stelling CB, Williams S, Wolf GL *Am J Roentgenol* 126: 981-4, May 76 (Eng) DL/76AUG442

**HISTIDINE:PYRUVATE TRANSAMINATION AND PHENYLALANINE:PYRUVATE**

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### 1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

TRANSAMINATION MAY BE CATALYZED BY THE SAME ENZYME. Shih JC, Chiu RH, Chan YL *Biochem Biophys Res Commun* 68: 1348-55, 23 Feb 76 (Eng) DL/76AUG468

#### 1.D.3.3 GLUCAGON, TOXICITY

#### 1.D.4 GLUCAGON, THERAPY RELATED

##### 1.D.4.1 GLUCAGON, DIAGNOSTIC USE

[PROPRANOLOL-GLUCAGON LOADING TEST] Okada Y, Watanabe K, Hata T, Kumahara Y *Jpn J Clin Med* 34: 410-3, 10 Feb 76 (Jpn) DL/76AUG211

[RECURRENT ULCER FOLLOWING VAGOTOMY: COMPLETION OF VAGOTOMY OR RESECTION (AUTHORS TRANSL)] Bauer H, Holle F *Munch Med Wochenschr* 118: 453-6, 9 Apr 76 (Ger) DL/76AUG260

[ABSOLUTE VALUE OF EOSINOPHILS IN A CUBE MILLIMETER OF PERIPHERAL BLOOD FOLLOWING GLUCAGON LOADING] Jablonska-Ulbrich A, Ordynski J *Pediatr Pol* 51: 391-6, Apr 76 (Pol) DL/76AUG290

[MECHANISM OF SOMATOTROPIN HORMONE SECRETION AND A TEST FOR ITS EVALUATION] Maleeva A, Milanov S *Vutr Boles* 14: 11-6, 1975 (Bul) DL/76AUG368

OPTIMAL VISUALIZATION OF ESOPHAGEAL VARICES. Cockerill EM, Miller RE, Chernish SM, McLaughlin GC 3d, Rodda BE *Am J Roentgenol* 126: 512-23, Mar 76 (Eng) DL/76AUG440

##### 1.D.4.2 GLUCAGON, THERAPEUTIC USE

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197

[GLUCAGON, STOMACH AND PANCREAS] Kalinin AP, Radbil OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343

[CARDIOLOGICAL EMERGENCIES IN OLD AGE] Nelius D Z *Alternforsch* 30: 87-94, 1975 (Ger) DL/76AUG378

[USE OF DOPAMINE IN THE TREATMENT OF CARDIOGENIC SHOCK. PRELIMINARY RESULTS] Chiche P, Baligadoo S *Ann Anesthesiol Fr* 16: 705-10, Dec 75 (Fre) DL/76AUG448

### 1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

#### 1.E.1 BLOOD SUGAR

HAZARDS OF MONOCOMPONENT INSULINS. Logie AW, Stowers JM *Br Med J* 1: 879-80, 10 Apr 76 (Eng) DL/76AUG20

LETTER: METABOLIC EFFECTS OF BRAN. Leeds A, Gassull MA, Jenkins DJ, Alberti KG *Br Med J* 1: 900-1, 10 Apr 76 (Eng) DL/76AUG22

INOTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM. Hildner FJ, Yeh BK, Javier RP, Fester A, Samet P *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31

THERMOREGULATION IN THE YOUNG FOWL (GALLUS DOMESTICUS). Freeman BM *Comp Biochem Physiol* [A] 54: 141-4, 1976 (Eng) DL/76AUG57

PATHOGENESIS, DIAGNOSIS AND TREATMENT OF DIABETIC KETOACIDOSIS. Kogut MD *Curr Probl Pediatr* 6: 1-35, Feb 76 (Eng) [177] DL/76AUG60

[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELULOSE] Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH. Costin G, Kogut MD, Phillips LS, Daughaday WH *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG142

CHRONOBIOLOGICAL STUDY OF HORMONE SECRETION IN MAN: ITS RELATION TO SLEEP-WAKE CYCLES AND TO INCREASING AGE. PP. 81-7. D'Agata R, Vigneri R, Polosa P, Semenenko EI, Myshkovskii VI, I USON-Stiennon JA, Leclercq G *Int Scheving LE, et al., ed. Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG186

COMPARATIVE STUDY OF GLIBENCLAMIDE & CHLORPROPAMIDE IN NEWLY DIAGNOSED MATURITY ONSET DIABETICS. Haider Z, Obaidullah S, Fayyaz-ud-Din *JPM* 26: 23-6, Feb 76 (Eng) DL/76AUG210

[SOMATOSTATIN AND SOMATOMEDINS--NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY] Efendic S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227

SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN--A REVIEW. Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237

[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERINSULINISM AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS] Rusconi C, Cicogna R, Orlando G, Guerra U, Peroni A *Minerva Cardioangiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG. Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

DIRECT NEURAL INHIBITION OF INSULIN SECRETION IN RESPONSE TO SYSTEMIC HYPOGLYCEMIA. Miller RE, Waid TH, Joyce MP *Am J Physiol* 230: 1090-4, Apr 76 (Eng) DL/76AUG439

[RECIPROCAL EFFECTS BETWEEN DRUGS] Kahl GF *Anesthesiol Intensivmed Prax* 11: 99-110, Oct 75 (Ger) DL/76AUG444

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBESE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

ALTERED GLUCOSE METABOLISM IN METASTATIC CARCINOMA. Holroyde CP, Gabuzda

TG, Putnam RC, Paul P, Reichard GA *Cancer Res* 35: 3710-4, Dec 75 (Eng) \*DL/76AUG477

CORONARY RISK FACTORS IN A COMMUNITY. FINDINGS IN TECUMSEH, MICHIGAN. Ostrander LD Jr, Lamphier DE *Circulation* 53: 152-6, Jan 76 (Eng) \*DL/76AUG478

ANAEROBIC GLYCOLYSIS IN NORMAL HUMAN ERYTHROCYTES INCUBATED IN VITRO WITH SODIUM SALICYLATE. Worathumrong N, Grimes AJ *Clin Sci Mol Med* 49: 375-84, Nov 75 (Eng) \*DL/76AUG482

PROGRESS REPORT. NORMAL AND ABNORMAL FOOD INTAKE. Hall RJ *Gut* 16: 744-52, Sep 75 (Eng) [89] \*DL/76AUG510

HABITUAL EXERCISERS: A BLOOD SERUM AND PERSONALITY PROFILE. Jette M *J Sports Med* 3: 12-7, Jan-Feb 75 (Eng) \*DL/76AUG561

[EFFECT OF VEGETABLE POLYPHENOLS ON THE LEVEL OF GLYCOGEN IN THE TISSUES AND GLUCOSE IN THE BLOOD OF STARVING RABBITS] Shamrai EF, Stroevo LM, Shuliakivska TO *Ukr Biokhim Zh* 47: 107-9, Jan-Feb 75 (Ukr) \*DL/76AUG589

[EFFECT OF CATECHOLAMINES ON THE METABOLISM OF GLUCOSE, FATTY ACIDS AND ON THE HEART RATE IN GOATS] Bartos S, Dolezel F, Kolbl M *Vet Med (Praha)* 20: 289-301, May 75 (Cze) \*DL/76AUG591

LETTER: ENERGIZING EFFECTS OF PIPERACETAZINE. Galambos M *Am J Psychiatry* 132: 1333-4, Dec 75 (Eng) \*DL/76AUG610

ROLE OF CORTISOL IN THE RESTITUTION OF BLOOD VOLUME AFTER HEMORRHAGE. Gann DS, Pirkle JC *Am J Surg* 130: 565-9, Nov 75 (Eng) \*DL/76AUG611

STIMULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) ACTIVITY BY LOW CONCENTRATIONS OF CIRCULATING GLUCOSE IN PERFUSED RAT LIVER. Moreno FJ, Sanchez-Urrutia L, Medina JM, Sanchez-Medina F, Mayor F *Biochem J* 150: 51-8, Jul 75 (Eng) \*DL/76AUG620

[CHROMAFFINE TUMOURS: DIAGNOSIS AND CATAMNESTIC FEATURES BASED ON THE DATA COLLECTED AT THE INSTITUTE OF EXPERIMENTAL THERAPY BETWEEN 1949 AND 1974 (AUTHORS TRANSL)] Ebel H, Classen HG *Arzneim Forsch* 25: 1610-21, Oct 75 (Ger) \*DL/76AUG621

AN EXAMPLE OF LYOPHILIZED PROTEIN-BASED MATERIALS NOT SIMULATING PATIENT SERA. Steele BW, Koehler DF, Blaszkowski TP, Azar M *Clin Chem* 21: 1812-4, Nov 75 (Eng) \*DL/76AUG659

NORMAL VALUES: THEORETICAL AND PRACTICAL ASPECTS. Werner M, Marsh WL *CRC Crit Rev Clin Lab Sci* 6: 81-100, Sep 75 (Eng) [62] \*DL/76AUG667

CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Persson B, Demissie H, Sterky G *Infusionstherapie* 2 suppl 3: 34-6, 1975 (Eng) \*DL/76AUG703

AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR. Esteban-Altririba J, Rene AM, Duran P, Cabero L, Giral F, Carreras M, Garcia-Cambrotero MT *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724

HEMATOLOGICAL AND BIOCHEMICAL EFFECTS OF CHRONIC CO EXPOSURE ON THE JAPANESE QUAIL. Jaeger JJ, McGrath JJ *Respir Physiol* 24: 365-72, Sep 75 (Eng) \*DL/76AUG839

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### I.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

**FEEDING: NEURAL CONTROL OF INTAKE.** Hoebel BG *Annu Rev Physiol* 33: 533-68, 1971 (Eng) [221] \*DL/76AUG894

#### I.E.1.1 BLOOD SUGAR, ANALYSIS

**SEVERE DIABETES: CURRENT KNOWLEDGE AS A BASIS FOR BETTER TREATMENT.** Molnar GD *Compr Ther* 1: 21-4, May 75 (Eng) DL/76AUG52

**THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON.** Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

**LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS.** Daubresse JC, Lerson G, Planteux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

**AN IMPROVED CONTROL ALGORITHM FOR AN ARTIFICIAL BETA-CELL.** Botz CK *IEEE Trans Biomed Eng* 23: 252-5, May 76 (Eng) DL/76AUG117

**ACID INHIBITION IN INSULIN TEST: A PRELIMINARY REPORT.** Venkataraman MS, Balasubramanian V, Kanaka TS, Nanjunda Rao R *Indian J Physiol Pharmacol* 19: 207-12, Oct-Dec 75 (Eng) DL/76AUG119

**HYPOGLYCAEMIC EFFECTS OF ONION, ALLIUM CEPA LINN. ON DIABETES MELLITUS - A PRELIMINARY REPORT.** Mathew PT, Augusti KT *Indian J Physiol Pharmacol* 19: 213-7, Oct-Dec 75 (Eng) DL/76AUG120

**HYPOGLYCAEMIC ACTION OF BENGALENSIDE, A GLUCOSIDE ISOLATED FROM FICUS BENGALENSIS LINN. IN NORMAL AND ALLOXAN DIABETIC RABBITS.** Augusti KT *Indian J Physiol Pharmacol* 19: 218-20, Oct-Dec 75 (Eng) DL/76AUG121

**[HYPERINSULINISM. NEUROLOGICAL AND PSYCHIATRIC ASPECTS (AUTHORS TRANSL)]** Matz D, Enders P, Baumeister G *J Neurol* 212: 177-82, 23 Apr 76 (Ger) DL/76AUG198

**DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS** Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201

**DIURNAL VARIATION OF ORAL GLUCOSE TOLERANCE IN A TROPICAL ENVIRONMENT.** Oviusu VO *J Trop Med Hyg* 79: 54-7, Mar 76 (Eng) DL/76AUG207

**[STUDY OF METABOLISM IN RECONSTRUCTIVE OPERATIONS FOR DUMPING SYNDROME]** Schober KL, Palkoska F, Vitachki I, Hanke P, Schultz K *Chirurgia (Sofia)* 28: 122-6, 1975 (Bul) DL/76AUG214

**[SCINTILLATIO ALBESCENS, DIABETES AND ATHEROMATOSIS]** Bryk E *Klin Ocena* 46: 427-30, 1976 (Pol) DL/76AUG215

**[DIAGNOSTIC SIGNIFICANCE OF HYPERGLYCEMIC CURVES IN ATHEROSCLEROTIC PSYCHOSIS]** Aminov KhA *Lah Delo* 443-4, 1975 (Rus) DL/76AUG219

**PLASMA IMMUNOREACTIVE INSULIN AND SOMATOTROPIN IN DELIRIUM TREMENS AND ALCOHOLIC HALLUCINOSIS.** Dobrzanski T, Pieschl D *J Stud Alcohol* 37: 327-33, Mar 76 (Eng) DL/76AUG224

**LETTER: DIABETES WITHOUT GLUCAGON.** Barnes AJ, Bloom SR, Alford FP, Russell RC *Lancet* 1: 967, 1 May 76 (Eng) DL/76AUG232

**EFFECT OF FRACTIONATED INSULINS ON TOTAL PLASMA INSULIN BINDING CAPACITY AND INSULIN REQUIREMENTS IN SEVERE DIABETES.** Oakley NW *Lancet* 1: 994-6, 8 May 76 (Eng) DL/76AUG233

**CONSTANT LOW-DOSE INSULIN INFUSION IN SEVERE DIABETES MELLITUS.** Hannan TJ, Stathers GM *Med J Aust* 1: 11-3, 3-10 Jan 76 (Eng) DL/76AUG249

**[HYPEROSMOLAR COMA]** Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 395-404, 26 Mar 76 (Ger) DL/76AUG258

**[EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL)]** Sailer R, Katoh E, Druncklee D, Kovacicsek S, Berger M *Munch Med Wochenschr* 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

**[CONTINUOUS STUDY OF RAPIDLY FLUCTUATING PARAMETERS IN THE STUDY OF GLUCOREGULATION]** Collard F, Orsetti A, Mirouze J *Pathol Biol (Paris)* 23: 747-52, Nov 75 (Fre) DL/76AUG286

**[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY]** Schaison G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

**INSULIN SECRETION IN PATIENTS WITH CHRONIC HEPATITIS TREATED WITH LIPOSTABIL.** Kuska J, Kokot F *Pol Med Sci Hist Bull* 15: 433-8, Jul-Aug 75 (Eng) DL/76AUG305

**[GLYCEMIA AND THE LEVELS OF FREE FATTY ACIDS IN SMALL-FOR-DATE BORN INFANTS AFTER MONOSACCHARIDE LOAD. COMMUNICATION I (AUTHORS TRANSL)]** Sztotwa W, Kantoch Z, Rodkiewicz B, Rola-Janicki A *Probl Med Wieku Rozwoj* 5: 75-81, 1975 (Pol) DL/76AUG316

**[POSTPRANDIAL LEVELS OF BLOOD SUGAR, CHOLESTEROL AND TOTAL LIPIDS IN A GROUP OF NORMAL STUDENTS]** Sneider A, Buiuc C, Dughir E, Dimitriu M *Rev Med Chir Soc Med Nat Iasi* 79: 555-60, Oct-Dec 75 (Rum) DL/76AUG333

**[INSULIN AVAILABILITY IN SOME FAMILIAL INHERITED NEUROLOGICAL SYNDROMES (AUTHORS TRANSL)]** Frattino P, Kauchtschischvili G, Nappi G, Poloni M, Favino A, Criffo A *Riv Patol Nerv Ment* 95: 624-31, Oct 74 (Ita) DL/76AUG335

**[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH HYPOGLYCEMIA PROVOKED BY INSULIN]** Kolebinov NK, Ankov VK, Pavlov DN *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

**[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSO-ADRENAL SYSTEM IN OBESITY]** Dobrev D, Pavlov D, Stoilov L *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

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**[PATHOGENIC CHARACTERISTICS OF THE EARLY STAGES OF DIABETES MELLITUS AND PREVENTIVE CONSEQUENCES]** Popov A *Z Gesamte Inn Med* 30: 44-8 contd, May 75 (Ger) DL/76AUG387

**COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST.** Papic Z,

Katona G, Crepinko I, Skrabalo Z *Acta Diabetol Lat* 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

**GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN.** Fallucca F, Menzinger G, Gambardella S, Tamburrano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

**BIPHASIC RESPONSE ON ORAL GLUCOSE TOLERANCE TESTING IN MYOTONIC DYSTROPHY.** Russell D, Sjaastad O *Acta Neurol Scand* 53: 226-8, Mar 76 (Eng) DL/76AUG411

**EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY.** Syvalahti E, Lammintausta R, Pekkarinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418

**FINE STRUCTURE OF PANCREAS IN CORTISONE-TREATED GUINEA PIGS AND RABBITS.** Wellmann KF, Volk BW *Arch Pathol Lab Med* 100: 334-8, Jun 76 (Eng) DL/76AUG462

**EFFECTS OF INSULIN HYPOGLYCAEMIA IN THE SHEEP ON JUGULAR HAEMATOCRIT AND PLASMA CORTICOSTEROID CONCENTRATIONS.** Dooley PC, Williams VJ *Aust J Biol Sci* 28: 503-9, Dec 75 (Eng) DL/76AUG466

**FACTORS INFLUENCING EVAPORATION FROM SAMPLE CUPS AND ASSESSMENT OF THEIR EFFECT ON ANALYTICAL ERROR.** Burtis CA, Begovich JM, Watson JS *Clin Chem* 21: 1907-17, Dec 75 (Eng) \*DL/76AUG479

**A NEW FAT-DEPENDENT TIME-MODIFIED RELATIONSHIP BETWEEN BASAL PLASMA GLUCOSE LEVELS AND THE EARLY GLUCOSE RESPONSE TO ORAL GLUCOSE LOADING IN NORMAL HUMAN SUBJECTS.** Trenchard PM *Clin Chim Acta* 65: 139-42, 15 Nov 75 (Eng) \*DL/76AUG480

**EFFECTS OF 1,3-BUTANEDIOL AND 1,2-PROPANEDIOL ON BLOOD KETONE BODIES AND GLUCOSE IN SHEEP FED RESTRICTED DIETS.** Emmanuel B, Nahapean A *J Anim Sci* 41: 1468-73, Nov 75 (Eng) \*DL/76AUG523

**[PLASMA CALCITONIN LEVELS AND METABOLIC EFFECTS OF PORCINE CALCITONIN IN NEWBORN LAMBS (AUTHORS TRANSL)]** Barlet JP, Michel MC, Theriez M, Savajol H, Garel JM *J Physiol (Paris)* 68: 519-29, 1974 (Fre) \*DL/76AUG554

**STANDARD SERUM CHEMICAL AND HAEMATOLOGICAL VALUES IN THE CHACMA BABOON (PAPIO URSINUS).** Steyn DG, Hamilton-Bruce RJ, Zuurmond TJ, Pharo R *J S Afr Vet Assoc* 46: 191-6, Jun 75 (Eng) \*DL/76AUG555

**A METHOD FOR INJECTING SUBSTANCES INTO THE CIRCULATION TO REACH RAPIDLY AND TO MAINTAIN A STEADY LEVEL, WITH EXAMPLES OF ITS APPLICATION IN THE STUDY OF CARBOHYDRATE AND AMINO ACID METABOLISM.** Daniel PM, Donaldson J, Pratt OE *Med Biol Eng* 13: 214-27, Mar 75 (Eng) \*DL/76AUG565

**THE GLUCOSE CONTROL MECHANISM VIEWED AS A REGULATOR.** Zelin S, Norwich KH, Hetenyi G *Med Biol Eng* 13: 503-8, Jul 75 (Eng) \*DL/76AUG566

**LETTER: MEASUREMENT OF PLASMA-GLUCOSE LEVELS IN THE SIDE-ROOM.** Branton WA, Percy-Robb IW *Lancet* 2: 1153, 6 Dec 75 (Eng) \*DL/76AUG568

**BROMOCRIPTINE THERAPY IN ACROMEGALY.** Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569



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- LETTER: AGE-DEPENDENT SENSITIVITY TO SALICYLATE.** Stubbs WA, Alberti KG, Woods HF, Teddy PJ *Lancet* 2: 1216, 13 Dec 75 (Eng) \*DL/76AUG571
- [DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS]** Andreoni G, Ragaglia G, Schiavi W, Bernaccino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578
- INTOLERANCE OF EIGHT OUNCES OF MILK IN HEALTHY LACTOSE-INTOLERANT TEEN-AGERS.** Mitchell KJ, Bayless TM, Paige DM, Goodgame RW, Huang SS *Pediatrics* 56: 718-21, Nov 75 (Eng) \*DL/76AUG581
- SOME PROPERTIES OF BECOMETHASONE DIPROPIONATE AND RELATED STEROIDS IN MAN.** Harris DM *Postgrad Med J* 51 SUPPL 4: 20-5, 1975 (Eng) \*DL/76AUG582
- PLASMA CORTICOSTERONE SECRETION IN RATS AFTER IRRADIATION.** Groza P, Vladescu C *Physiologie* 12: 53-5, 1975 (Eng) \*DL/76AUG584
- BIOCHEMICAL AND BIOPHYSICAL CHANGES IN GUINEA PIGS AFTER ACUTE HEAD INJURY.** Hausdoerfer J, Heller W, Schinkmann L *Resuscitation* 4: 77-86, 1975 (Eng) \*DL/76AUG586
- [DIAGNOSTIC EVALUATION OF VARIOUS BLOOD VALUES IN THE HORSE]** Kraft W, Mayer H, Eikmeier H *Tierarztl Prax* 3: 199-204, 1975 (Ger) \*DL/76AUG587
- A PRACTICAL APPLICATION OF METABOLIC PROFILES.** Blowey RW *Vet Rec* 97: 324-7, 25 Oct 75 (Eng) \*DL/76AUG592
- [A MICROMETHOD FOR THE DETERMINATION OF GLUCOSE IN 20 MICROLITER SAMPLES WITH THE AUTOANALYZER (AUTHORS TRANSL.)]** Holm H, Pianezzi A, Scholer A *Z Klin Chem Klin Biochem* 13: 541-3, Dec 75 (Ger) \*DL/76AUG594
- [THE INFLUENCE OF FEEDING ON CLINICAL-CHEMICAL PARAMETERS IN THE SERUM OF RATS (AUTHORS TRANSL.)]** Breuer J, Kieser H *Z Klin Chem Klin Biochem* 13: 401-5, Sep 75 (Ger) \*DL/76AUG595
- EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS.** Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607
- MATERNAL SMOKING AND FETAL BREATHING MOVEMENTS.** Gennser G, Marsal K, Brantmark B *Am J Obstet Gynecol* 123: 861-7, 15 Dec 75 (Eng) \*DL/76AUG608
- EQUINE SERUM LIPIDS: SERUM LIPIDS AND GLUCOSE IN MORGAN AND THOROUGHBRED HORSES AND SHETLAND PONIES.** Robie SM, Janson CH, Smith SC, O'Connor JT Jr *Am J Vet Res* 36: 1705-8, Dec 75 (Eng) \*DL/76AUG612
- BLOOD GLUCOSE AND TISSUE GLYCOGEN LEVELS IN TURKEY POULTS WITH SPONTANEOUS ROUND HEART DISEASE AND FU-RAZOLIDONE-INDUCED CARDIOMYOPATHY.** Czarnecki CM, Reneau JK, Janus EF *Avian Dis* 19: 773-80, Oct-Dec 75 (Eng) \*DL/76AUG619
- TWO-CARRIER MODELS FOR MEDIATED TRANSPORT. I. THEORETICAL ANALYSIS OF SEVERAL TWO-CARRIER MODELS.** Eilam Y *Biochim Biophys Acta* 401: 349-63, 2 Sep 75 (Eng) \*DL/76AUG622
- PREDICTORS OF SUDDEN CARDIAC DEATH.** Friedman GD, Klatsky AL, Siegel AB *Circulation* 52: 164-9, Dec 75 (Eng) \*DL/76AUG656
- SEMI-SOLID SURFACE FLUOROMETRIC ANALYSIS OF GLUCOSE.** Kiang SW, Kuan JW, Guilbault GG *Clin Chem* 21: 1799-801, Nov 75 (Eng) \*DL/76AUG657
- SODIUM IODOACETATE AS AN ANTIGLYCOLYTIC AGENT IN BLOOD SAMPLES.** Marbach EP, McLean M, Scharn M, Jones T *Clin Chem* 21: 1810-2, Nov 75 (Eng) \*DL/76AUG658
- SALINITY TOLERANCE AND EXTRACELLULAR OSMOREGULATION IN TWO SPECIES OF EURYHALINE TELEOSTS, CULAEA INCONSTANS AND FUNDULUS DIAPHANUS.** Ahokas RA, Duerr FG *Comp Biochem Physiol* [A] 52: 445-8, 1 Nov 75 (Eng) \*DL/76AUG665
- BODY SIZE AND WHOLE BLOOD SUGAR CONCENTRATIONS IN MAMMALS.** Umminger BL *Comp Biochem Physiol* [A] 52: 455-8, 1 Nov 75 (Eng) \*DL/76AUG666
- ACUTE BLOOD BIOCHEMICAL ALTERATIONS IN RESPONSE TO MARATHON RUNNING.** Maron MB, Horvath SM, Wilkerson JE *Eur J Appl Physiol* 34: 173-81, 15 Aug 75 (Eng) \*DL/76AUG672
- THE EFFECT OF PROPRANOLOL AND PHENTOLAMINE ON SERUM GASTRIC CONCENTRATION IN RESPONSE TO RESPIRATORY ACIDOSIS IN NORMAL MAN.** Kaess H, Utz G, Teckentrup U, Hauck AM, Dörner M *Eur J Clin Invest* 5: 401-8, 12 Sep 75 (Eng) \*DL/76AUG678
- [EXPERIMENTAL STUDY OF MANGANESE CHLORIDE TOXICITY]** Pashinskii VG, Tuzlukov AP, Rassokhin VM, Arfeva AK, Sedova KS *Farmakol Toksikol* 38: 618-20, Sep-Oct 75 (Rus) \*DL/76AUG680
- DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET.** Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Hemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689
- [METABOLIC BEHAVIOR AND UTILIZATION OF PARENTERALLY ADMINISTERED CARBOHYDRATES IN THE POSTOPERATIVE PHASE]** Dolp R, Grab E, Knoche E, Ahnefeld FW *Infusionstherapie* 2: 103-10, Apr 75 (Ger) \*DL/76AUG699
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- [THE METABOLISM OF MONOSACCHARIDES AND POLYVOLES]** Forster H *Infusionstherapie* 2: 187-201, Jun 75 (Ger) \*DL/76AUG701
- A DESIGN IMPROVEMENT IN CONTINUOUS BLOOD SAMPLING AND ANALYSIS FOR GLUCOSE IN REST AND EXERCISE.** Tzankoff SP, Leatherman NE, Robinson S *J Appl Physiol* 39: 873-4, Nov 75 (Eng) \*DL/76AUG710
- EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN.** Lal S, Tolis G, Martin SB, Brown GM, Guyda H *J Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718
- CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 80 MG/DL.** Frantz ID 3d, Medina G, Tausch HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng) \*DL/76AUG722
- THE PRESENT SITUATION OF CLINICAL MONITORING OF THE FETUS DURING LABOR.** Saling EZ, Dudenhausen JW *J Perinat Med* 1: 75-103, 1973 (Eng) [96] \*DL/76AUG723
- BIOCHEMICAL VALUES IN THE NORMAL AND HYPOTHERMIC BABOON PAPIO CYNOCEPHALUS/ANUBIS.** Phillips CF, Nicolalde AA, Wolfson SK Jr *J Med Primatol* 4: 308-19, 1975 (Eng) \*DL/76AUG728
- [THE DECENTRALIZED COMPUTER SYSTEM IN THE HAMBURG-EPPENDORF UNIVERSITY HOSPITAL (AUTHORS TRANSL.)]** Hohne KH *Munch Med Wochenschr* 117: 1769-74, 31 Oct 75 (Ger) \*DL/76AUG750
- PROSPECTIVE COMPARISON OF INDIRECT METHODS FOR DETECTING LACTASE DEFICIENCY.** Newcomer AD, McGill DB, Thomas PJ, Hofman AF N *Engl J Med* 293: 1232-6, 11 Dec 75 (Eng) \*DL/76AUG752
- OBESITY IN A NEW ZEALAND COMMUNITY.** Benson-Cooper D, Bird D, Laing JK, Hannah EE, Carrell RW, Beaven DW *NZ Med J* 82: 115-9, 27 Aug 75 (Eng) \*DL/76AUG754
- FRUCTOSE-INDUCED HYPERURICEMIA: OBSERVATIONS IN NORMAL CHILDREN AND IN PATIENTS WITH HEREDITARY FRUCTOSE INTOLERANCE AND GALACTOSEMIA.** Kogut MD, Roe TF, Ng W, Nonnel GN *Pediatr Res* 9: 774-8, Oct 75 (Eng) \*DL/76AUG757
- EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS.** Waterman RA, Romsos DR, Tsai AC, Miller ER, Leveille GA *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779
- [EARLY ADAPTATION OF PREMATURE INFANTS (HEMATOLOGICAL AND BIOCHEMICAL ASPECTS)]** Russ O, Bulat E, Iorgulescu M, Deciu L, Baltac C, Kloss D *Rev Pediatr Obstet Gynecol [Pediatri]* 24: 37-47, Jan-Mar 75 (Rum) \*DL/76AUG840
- [EXPERIMENTAL PANCREATIC ALLOTRANSPLANTATION IN DOGS: BIOCHEMICAL ASPECTS AND EVOLUTION]** Ellenbogen G, Raia AA, Zilberstein B, Pollara WM, Neto OB, Morimoto RY, Pinotti HW *Rev Hosp Clin Fac Med Sao Paulo* 30: 340-4, Jul-Aug 75 (Por) \*DL/76AUG841
- [CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS]** Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanescu I, Bena A, Stefan O *Rev Ig [Pneumofiziol]* 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843
- [NEW QUANTITATIVE DETERMINATION OF GLUCOSE IN BLOOD OR SERUM]** Anonymous *Ther Ggw* 114: 1465-6, Sep 75 (Ger) \*DL/76AUG848
- [A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL.)]** Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865
- EXPERIMENTS WITH LIMITED FEEDING OF HORSES UNDER FIELD CONDITIONS.** Bengtsson SG *Zentralbl Veterinarmed [A]* 22: 445-62, Aug 75 (Eng) \*DL/76AUG867

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### 1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

- NUTRITION EFFECT ON LIVER AND LYSOSOMES. VIII. THE UNDERNOURISHMENT ROLE IN A FOLLOWING SHORT-TERM STARVATION.** Krustev LP, Ibrishimov NI, Popov AA. *Acta Histochem (Jena)* 53: 42-57, 1975 (Eng) \*DL/76AUG872
- A SIMULATION MODEL OF EXTRACELLULAR GLUCOSE DISTRIBUTION IN THE HUMAN BODY.** Tiran J, Galle KR, Porte D Jr. *Ann Biomed Eng* 3: 34-46, Mar 75 (Eng) \*DL/76AUG888
- PROTECTIVE EFFECT OF STEROIDS ON LIVER ISCHEMIA.** Santiago Delpin EA, Figueroa I, Lopez R, Vazquez J. *Am Surg* 41: 683-5, Nov 75 (Eng) \*DL/76AUG889
- [CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA]** Hadlich M, Kolb E. *Arch Exp Veterinarmed* 29: 379-95, Jun 75 (Ger) \*DL/76AUG904
- [EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERTION. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE]** Bungert U, Steinhardt M, Riehm G, Bungert B, Lyhs L. *Arch Exp Veterinarmed* 29: 631-40, 1975 (Ger) \*DL/76AUG906
- THE INFLUENCE OF ROLITETRACYCLINE UPON SOME METABOLIC PARAMETERS OF RABBIT HEART MUSCLE.** Belova V, Barnova E, Barna K. *Biochem Pharmacol* 24: 1875-7, 15 Oct 75 (Eng) \*DL/76AUG918
- CYCLOC AMP-LINKED MECHANISMS IN ETHANOL-INDUCED DERANGEMENTS OF METABOLISM IN RAT LIVER AND ADIPOSE TISSUE.** Jauhonen YP, Savolainen MJ, Hassinen IE. *Biochem Pharmacol* 24: 1879-83, 15 Oct 75 (Eng) \*DL/76AUG919
- 1.E.1.2 BLOOD SUGAR, BIOSYNTHESIS**
- ROLE OF ADRENALS IN THE VITAMIN A-MEDIATED INCREASE IN THE ACTIVITIES OF GLUCONEOGENIC ENZYMES OF RAT LIVER.** Singh M, Ningh VN, Venkatasubramanian TA. *Life Sci* 17: 859-65, 15 Sep 75 (Eng) \*DL/76AUG573
- 1.E.1.3 BLOOD SUGAR, METABOLISM**
- EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE.** Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A. *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23
- STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE.** Brockman RP, Bergman EN, Pollak WL, Brondum J. *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24
- [CHILDREN OF DIABETIC MOTHERS—RELATIONSHIP BETWEEN METABOLIC CONDITIONS AFTER DELIVERY AND LONG-TERM PROGNOSIS]** Zezulakova J, Pribylova H. *Cesk Pediatr* 31: 57-60, Feb 76 (Cze) DL/76AUG33
- FURTHER EVIDENCE FOR THE EXISTENCE OF GENETICALLY DETERMINED METABOLIC DIFFERENCES BETWEEN LPA(a) AND LPA(a-) INDIVIDUALS.** Dahlen G, Berg K. *Clin Genet* 9: 357-64, Mar 76 (Eng) DL/76AUG44
- OBESITY, CARBOHYDRATE, AND LIPID INTERACTIONS IN THE ELDERLY.** Bierman EL. *Curr Concepts Nutr* 4: 171-6, 1976 (Eng) [19] DL/76AUG59
- ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION.** Charles MA, Imagawa W, Forsham PH, Grodsky GM. *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70
- EFFECTS OF NEUROTENSIN AND SUBSTANCE P ON PLASMA INSULIN, GLUCAGON AND GLUCOSE LEVELS.** Brown M, Vale W. *Endocrinology* 98: 819-22, Mar 76 (Eng) DL/76AUG73
- EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS.** Laszlo FA, Durszt F, Varga P, Czako L. *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77
- [NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD]** Amendt P, Michaelis D, Gottschling D, Hildmann W. *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80
- PENETRATION OF TARGET AREAS IN THE RAT BY LIPOSOME-ASSOCIATED BLEOMYCIN, GLUCOSE OXIDASE AND INSULIN.** Dapergolas G, Neerunjun ED, Gregoriadis G. *FEBs Lett* 63: 235-9, 1 Apr 76 (Eng) DL/76AUG91
- ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PBB/LD MOUSE.** Hunt CE, Lindsey JR, Walkley SU. *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93
- CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD.** Kimura K, Kamiyama Y, Ozawa K, Honjo I. *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100
- EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS.** Gero L, Szalay F, Steczek K, Tamas G Jr. *Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112
- DIURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS.** Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG. *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113
- EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN.** Ueda K, Omae T, Hirota Y, Takeshita M, Hiyoshi Y. *J Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139
- RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS.** Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensinck JW, Bierman EL, Porte D Jr. *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141
- INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET.** Ginsberg H, Olefsky JM, Kimmerling G, Crapo P, Reaven GM. *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145
- ADVANTAGES AND DISADVANTAGES OF PARENTERAL HYPERALIMENTATION.** PP. 130-6. Goschke H, Leutenegger A. In: Ahnefeld FW, et al., ed. *Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [21] DL/76AUG155
- GUIDELINES FOR THE DOSAGE AND APPLICATION OF THE INTRAVENOUS PROVISION OF NUTRIENT SUBSTANCES IN PATIENTS WITH RENAL FAILURE.** PP. 160-6. Kuhl J, Heidland A. In: Ahnefeld FW, et al., ed. *Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [10] DL/76AUG156
- PHYSIOLOGY OF METABOLISM DURING STARVATION.** PP. 17-30. Dietze G, Wicklmayer M, Mehnert H. In: Ahnefeld FW, et al., ed. *Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [16] DL/76AUG157
- SUMMARY OF THE DISCUSSION ON THE THEME: BASIC CONCEPTS AND REQUIREMENTS DURING INTRAVENOUS ALIMENTATION.** PP. 121-9. Anonymous. In: Ahnefeld FW, et al., ed. *Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) DL/76AUG158
- BENEFITS OF DIETARY FRUCTOSE IN ALLEVIATING THE HUMAN STRESS RESPONSE.** PP. 54-72. Palm JD. In: Jeenes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) DL/76AUG170
- PHYSIOLOGICAL EFFECTS OF MANNANS, GALACTOMANNANS, AND GLUCOMANNANS.** PP. 296-311. Davis SE, Lewis BA. In: Jeenes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [103] DL/76AUG175
- THE METABOLISM OF INFUSED MALTOSE AND OTHER SUGARS.** PP. 73-99. Young EA, Weser E. In: Jeenes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [88] DL/76AUG176
- COMPARISON OF DAILY BLOOD SUGAR PROFILES IN DIABETICS UNDER TREATMENT WITH DIFFERENT ORAL ANTIDIABETIC DRUGS.** PP. 299-303. Strattmann FW. In: Scheving LE, et al., ed. *Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG187
- THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS.** Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC. *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196
- THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE.** Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC. *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197
- SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES.** Bernardis LL, Goldman JK, Chouverakis C, Frohman LA. *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205
- INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA.** Harmon JT, Hilf R. *J Supramol Struct* 4: 233-40, 1976 (Eng) DL/76AUG222
- [FUNCTION TESTS FOR CARBOHYDRATE METABOLISM IN CLINICAL AND MEDICAL PRACTICE. BASIC PRINCIPLES, TECHNIC AND VALUE]** Kattermann R, Kobberling J. *Med Welt* 26: 2293-9, 19 Dec 75 (Ger) DL/76AUG238
- EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT.**

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## 1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

- Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240
- HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM.** Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256
- [EFFECT OF CLOFIBRATE ON GLUCOSE TOLERANCE AND INSULIN SECRETION IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA (AUTHORS TRANSL.)]** Schwandt P, Weisweiler P, Neureuther G, Wilkening J *Munch Med Wochenschr* 118: 351-4, 19 Mar 76 (Ger) DL/76AUG257
- LETTER: GLUCAGON AND BLOOD SUGAR.** Anonymous *N Engl J Med* 294: 1238-40, 27 May 76 (Eng) DL/76AUG266
- [CONTINUOUS STUDY OF RAPIDLY FLUCTUATING PARAMETERS IN THE STUDY OF GLUCOREGULATION]** Collard F, Orsetti A, Mirouze J *Pathol Biol (Paris)* 23: 747-52, Nov 75 (Fre) DL/76AUG286
- GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERMFREE RATS.** Sewell DL, Bruckner-Kardoss E, Lorenz LM, Wostmann BS *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322
- TOTAL SYNTHESIS OF CRYSTALLINE GLUCAGON BY THE METHOD OF SOLID PHASE CONDENSATION OF FRAGMENTS. PROTEIN SYNTHESIS GROUP, SHANGHAI INSTITUTE OF BIOCHEMISTRY, ACADEMIA SINICA.** Anonymous *Sci Sin* 18: 745-68, Nov-Dec 75 (Eng) DL/76AUG338
- EFFECT OF STREPTOZOTOCIN ON THE BLOOD GLUCOSE LEVEL AND HISTOLOGY OF THE PRINCIPAL ISLETS OF CHANNA PUNCTATUS (BLOCH).** Gill TS, Khanna SS Z *Mikrosk Anat Forsch* 89: 319-26, 1975 (Eng) DL/76AUG391
- EFFECT OF SURGERY ON CARBOHYDRATE METABOLISM.** Alant O, Pulay I, Esztergalyos J, Bodnar A *Acta Chir Acad Sci Hung* 16: 307-14, 1975 (Eng) DL/76AUG396
- SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY.** Casar J, Mashiter K, Sullivan G, Joplin GF *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408
- SERUM INSULIN VALUES DURING ORAL GLUCOSE TOLERANCE TEST IN VARIOUS AGE GROUPS.** Kerpel-Fronius E, Gacs G *Acta Paediatr Acad Sci Hung* 16: 197-202, 1975 (Eng) DL/76AUG413
- SUGAR METABOLISM IN OBESE CHILDREN.** Barta L, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414
- [COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP.]** Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415
- [CELL-MEDIATED IMMUNE RESPONSE IN JUVENILE DIABETES]** Karmazin L, Amoro I *Acta Paediatr Acad Sci Hung* 16: 317-26, 1975 (Ger) DL/76AUG417
- AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPANCHNIC BED AFTER A PROTEIN MEAL.** Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425
- EFFECT OF LONG TERM USE OF ORAL CONTRACEPTIVES ON GLUCOSE TOLERANCE.** Muck BR *Arch Gynaekol* 220: 185-90, 5 Mar 76 (Eng) DL/76AUG460
- EARLY EFFECTS OF THE ADMINISTRATION OF STREPTOZOTOCIN ON MUSCLE GLYCOGEN.** de Paoli AA, Masiello P, Bergamini E *Biochem Pharmacol* 25: 933-5, 15 Apr 76 (Eng) DL/76AUG469
- ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE.** Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470
- THE EFFECT OF O-SALICYLATE UPON PENTOSE PHOSPHATE PATHWAY ACTIVITY IN NORMAL AND G6PD-DEFICIENT RED CELLS.** Worathumrong N, Grimes AJ Jr *J Haematol* 30: 225-31, Jun 75 (Eng) \*DL/76AUG471
- STIMULATION BY PROPYLTHIOURACIL OF THE HEXOSE MONOPHOSPHATE SHUNT IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES DURING PHAGOCYTOSIS.** Tsan MF, McIntyre PA Jr *J Haematol* 31: 193-208, Oct 75 (Eng) \*DL/76AUG472
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- SUGAR METABOLISM IN OBESE CHILDREN.** Barta L, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414
- [COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP]** Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415
- DETECTION AND CHARACTERIZATION OF MIDDLE-AGED MEN WITH HYPERTENSION.** Hedstrand H, Aberg H *Acta Med Scand* 199: 273-80, 1976 (Eng) DL/76AUG419
- CERTAIN METABOLIC CONSEQUENCES OF JEJUNOILEAL BYPASS.** Bendeur R, Wieland RG, Green SG, Hallberg MC, Marsters RW *Am J Clin Nutr* 29: 366-70, Apr 76 (Eng) DL/76AUG426
- [BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBESE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY]** Deschamps I, Giron BJ, Lestrade H *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459
- EFFECT OF LONG TERM USE OF ORAL CONTRACEPTIVES ON GLUCOSE TOLERANCE.** Muck BR *Arch Gynaekol* 220: 185-90, 5 Mar 76 (Eng) DL/76AUG460

### 1.E.3 HYPERGLYCEMIA

- [A BONE MARROW FACTOR CAUSING HYPERGLYCEMIA AND GLYCOSURIA: RELEASED GLUCOSE COMES FROM GENERAL GLYCOGENOLYSIS, ESPECIALLY IN MUSCLE]** Thomas JA *C R Acad Sci [D] (Paris)* 281: 1995-9, 22 Dec 75 (Fre) DL/76AUG37
- DIAGNOSTIC USE OF PANCREATIC LIPASE DETERMINATION BY RADIAL ENZYME DIFFUSION, AND DESIGN OF A ROUTINE PANCREATIC PROFILE.** Goldberg JM *Clin Chem* 22: 638-42, May 76 (Eng) DL/76AUG40

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### 1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

**DETERMINATION OF D-3-HYDROXYBUTYRATE DEHYDROGENASE IN MOUSE PANCREATIC ISLETS WITH A PHOTOKINETIC TECHNIQUE USING BACTERIAL LUCIFERASE.** Berne C *Enzyme* 21: 127-36, 1976 (Eng) DL/76AUG84

#### 1.E.3.1 HYPERGLYCEMIA, BLOOD

#### 1.E.3.2 HYPERGLYCEMIA, CHEMICALLY INDUCED

**CHRONOBIOLOGICAL STUDY OF GROWTH HORMONE SECRETION IN MAN: ITS RELATION TO SLEEP-WAKE CYCLES AND TO INCREASING AGE.** PP. 81-7. D'Agata R, Vigneri R, Polosa P, Semenenko EI, Myshkovskii VI, I USON-Stiennon JA, Leclercq G In: Scheving LE, et al., ed. *Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG186

**DIAZOXIDE.** Koch-Weser J *N Engl J Med* 294: 1271-3, 3 Jun 76 (Eng) [41] DL/76AUG268

**[MACROLID ANTIBIOTICS AND ADRENALIN-INDUCED HYPERGLYCEMIA]** Hugues FC, Julien D *Therapie* 30: 455-7, May-Jun 75 (Fre) DL/76AUG352

**COUNTERACTION OF GLUCOCORTICOID-INDUCED HYPERGLYCAEMIA BY HYPOGLYCIN.** Kean EA, Walters P *West Indian Med J* 24: 206-9, Dec 75 (Eng) DL/76AUG372

**EFFECTS OF GLUCOCORTICOID ON CARBOHYDRATE METABOLISM.** Olefsky JM, Kimmeling G *Am J Med Sci* 271: 202-10, Mar-Apr 76 (Eng) DL/76AUG430

#### 1.E.3.3 HYPERGLYCEMIA, COMPLICATIONS

**TREADMILL EXERCISE TESTING OF MASS SCREENING FOR CORONARY RISK FACTORS.** Allen WH, Aronow WS, De Cristofaro D *Cathet Cardiovasc Diagn* 2: 39-48, 1976 (Eng) DL/76AUG32

**[HYPEROSMOLAR COMA]** Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 395-404, 26 Mar 76 (Ger) DL/76AUG258

**SECONDARY METABOLIC ENCEPHALOPATHY. DIAGNOSIS AND TREATMENT.** Saper JR *Postgrad Med* 59: 122-8, May 76 (Eng) [84] DL/76AUG312

**[LIVER AND DIABETES MELLITUS]** Genes SG *Ter Arkh* 48: 119-28, 1976 (Rus) DL/76AUG350

**METABOLIC ABNORMALITIES CONTRIBUTING TO DIABETIC COMPLICATIONS. II. PERIPHERAL NERVES.** Anderson JW *Am J Clin Nutr* 29: 402-8, Apr 76 (Eng) [67] DL/76AUG427

#### 1.E.3.4 HYPERGLYCEMIA, DIAGNOSIS

**DIABETES MELLITUS: A COMMON PROBLEM IN ADULTS.** Rubenstein AH *Compr Ther* 1: 15-8, May 75 (Eng) DL/76AUG50

**[DIAGNOSTIC SIGNIFICANCE OF HYPERGLYCEMIC CURVES IN ATHEROSCLEROTIC PSYCHOSIS]** Aminov KhA *Lab Delo* 443-4, 1975 (Rus) DL/76AUG219

#### 1.E.3.5 HYPERGLYCEMIA, DRUG THERAPY

**SUMMARY OF THE DISCUSSION ON THE THEME: BASIC CONCEPTS AND REQUIREMENTS DURING INTRAVENOUS ALIMENTATION.** PP. 121-9. Anonymous In: Ahnefeld FW, et al., ed. *Parenteral nutrition*. Berlin,

Springer, 1976. WB 410 143 1974. (Eng) DL/76AUG158

#### 1.E.3.6 HYPERGLYCEMIA, ETIOLOGY

**[HYPOGLYCEMIA. PART 4. GENERAL CAUSES, PHYSIOLOGICAL NEWBORN HYPERGLYCEMIA, HYPERGLYCEMIA IN VARIOUS ILLNESSES, METABOLIC DEFICIENCY, AND METABOLIC ERROR]** Forster H *Fortschr Med* 94: 332-8, 19 Feb 76 (Ger) DL/76AUG109

**ADVANTAGES AND DISADVANTAGES OF PARENTERAL HYPERALIMENTATION.** PP. 130-6. Goschke H, Leutenegger A In: Ahnefeld FW, et al., ed. *Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [21] DL/76AUG155

**[GLUCAGON, STOMACH AND PANCREAS]** Kalinin AP, Radbil OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343

**TOTAL PARENTERAL NUTRITION IN INFANTS AND CHILDREN: CENTRAL AND PERIPHERAL APPROACHES.** Filler RM, Coran AG *Surg Clin North Am* 56: 395-412, Apr 76 (Eng) DL/76AUG346

**[LIVER AND DIABETES MELLITUS]** Genes SG *Ter Arkh* 48: 119-28, 1976 (Rus) DL/76AUG350

**[BRONCHIAL CARCINOMA WITH SECRETION OF ACTH AND HCG (AUTHORS TRANSL)]** De Leeuw I, van den Bergh O, Abs R *Acta Tuberc Pneumol Belg* 66: 361-7, Jul-Oct 75 (Dut) DL/76AUG423

#### 1.E.3.7 HYPERGLYCEMIA, METABOLISM

**INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY.** Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG277

#### 1.E.3.8 HYPERGLYCEMIA, PHYSIOPATHOLOGY

**RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS.** Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensick JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

#### 1.E.3.9 HYPERGLYCEMIA, URINE

#### 1.E.4 GLYCOSURIA

**[A BONE MARROW FACTOR CAUSING HYPERGLYCEMIA AND GLYCOSURIA: RELEASED GLUCOSE COMES FROM GENERAL GLYCOGENOLYSIS, ESPECIALLY IN MUSCLE]** Thomas JA *C R Acad Sci [D] (Paris)* 281: 1995-9, 22 Dec 75 (Fre) DL/76AUG37

**CONVERSION OF SORBITOL TO MANNITOL WHEN USED PARENTERALLY.** Soummer-Dauphant AM, Chambon P, Chabert JM *Clin Chim Acta* 67: 325-8, 15 Mar 76 (Eng) DL/76AUG42

**PEDIATRICS: OFFICE MANAGEMENT OF DIABETES MELLITUS IN CHILDREN.** Chase HP *Postgrad Med* 59: 243-53, May 76 (Eng) DL/76AUG313

#### 1.E.4.1 GLYCOSURIA, CHEMICALLY INDUCED

**TUBULOINTERSTITIAL AND GLOMERULAR NEPHRITIS ASSOCIATED WITH RIFAMPIN. REPORT OF A CASE.** Gabow PA, Lacher JW, Neff TA *JAMA* 235: 2517-8, 7 Jun 76 (Eng) DL/76AUG209

#### 1.E.4.2 GLYCOSURIA, COMPLICATIONS

#### 1.E.4.3 GLYCOSURIA, DIAGNOSIS

**THE DEVELOPMENT OF SIMPLIFIED TESTS.** PP. 425-40. Wishinsky H In: Anido G, et al., ed. *Quality control in clinical chemistry*. Berlin, de Gruyter, 1975. W3 IN922PE 1975q. (Eng) DL/76AUG159

**[NORMOGLYCEMIC GLYCOSURIA IN PREGNANT WOMEN. DISCUSSION CONTRIBUTION TO THE ARTICLE OF ASSISTANT PROF. PAV AND SPERL, M.D. TUBULAR EXTRACTION OF GLUCOSE IN PREGNANT WOMEN VNITRI LEK. 21, 1975, 12, P.1166-9]** Rames I *Vnitř Lek* 22: 401-2, Apr 76 (Cze) DL/76AUG364

**EVALUATION OF PEROXYOXALATE CHEMILUMINESCENCE FOR DETERMINATION OF ENZYME GENERATED PEROXIDE.** Williams DC 3d, Huff GF, Seitz WR *Anal Chem* 48: 1003-6, Jun 76 (Eng) DL/76AUG447

#### 1.E.4.4 GLYCOSURIA, DRUG THERAPY

#### 1.E.4.5 GLYCOSURIA, ENZYMOLOGY

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**[RENAL GLYCOSURIA (POSSIBILITY OF RELATION TO DIABETES MELLITUS)]** Rames I, Vankova B *Vnitř Lek* 22: 268-73, Mar 76 (Cze) DL/76AUG361

**[INSULINEMIA IN RENAL GLYCOSURIA]** Polackova H, Kmoch J, Prokes J, Svoboda Z, Vseteckova A *Vnitř Lek* 22: 341-4, Apr 76 (Cze) DL/76AUG363

#### 1.E.6 HYPOGLYCEMIA

**[METABOLISM OF LIVER POLYPHOSPHOSITIDES IN RATS DURING STIMULATING AND DEPRESSING INFLUENCES ON THE ORGANISM]** Kiselev GV, Pavlinova LI *Biull Eksp Biol Med* 80: 40-3, Sep 75 (Rus) DL/76AUG10

**GLUCONEOGENESIS IN THE NEONATAL RAT: THE METABOLISM AND DISPOSITION OF ALANINE DURING POSTNATAL DEVELOPMENT.** PP. 77-95. Snell K In: *Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [49] DL/76AUG168

**BENEFITS OF DIETARY FRUCTOSE IN ALLEVIATING THE HUMAN STRESS RESPONSE.** PP. 54-72. Palm JD In: *Jeannes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) DL/76AUG170

**[STUDYING THE IMMOBILITY OF SHEEP IN THE PERINATAL PERIOD]** Bostedt H *Berl Munch Tierarztl Wochenschr* 89: 156-61, 15 Apr 76 (Ger) DG/76AUG467

# 1.F DIABETES

## 1.E.6.1 HYPOGLYCEMIA, BLOOD

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

HUMAN GROWTH HORMONE. Hamilton W *Scott Med J* 20: 197-200, Sep 75 (Eng) DL/76AUG339

## 1.E.6.2 HYPOGLYCEMIA, CHEMICALLY INDUCED

GROWTH HORMONE RELEASE BY GLYCINE INJECTED INTRAVENOUSLY IN 22 HEALTHY SEXUALLY IMMATURE CHILDREN. Popa M, Florea I *Biomedicine [Express]* 23: 131-3, 30 Apr 75 (Eng) DL/76AUG6

POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN. Marco J, Hedo JA, Martinell J, Calle C, Villanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

EFFECT OF ALCOHOL ADMINISTRATION ON PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA. Priem HA, Shanley BC, Malan C *Metabolism* 25: 397-403, Apr 76 (Eng) DL/76AUG242

THE GLUCOSE-INSULIN RATIO IN AMNIOTIC FLUID. Newman R, Tuter G *Obstet Gynecol* 47: 599-601, May 76 (Eng) DL/76AUG279

[LETTER: HYPOGLYCEMIA DURING BETA BLOCKING TREATMENT] Certin M, Wechsler B, Bletty O, Godeau P *Nouv Presse Med* 5: 862, 27 Mar 76 (Fre) DL/76AUG296

[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH HYPOGLYCEMIA PROVOKED BY INSULIN] Kolehnikov NK, Ankov VK, Pavlov DN *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

[MECHANISM OF SOMATOTROPIN HORMONE SECRETION AND A TEST FOR ITS EVALUATION] Maleeva A, Milanov S *Vutr Boles* 14: 11-6, 1975 (Bul) DL/76AUG368

[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSIO-ADRENAL SYSTEM IN OBESITY] Dobrev D, Pavlov D, Stoilov L *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

COUNTERACTION OF GLUCOCORTICOID-INDUCED HYPERGLYCAEMIA BY HYPOGLYCIN. Kean EA, Walters P *West Indian Med J* 24: 206-9, Dec 75 (Eng) DL/76AUG372

## 1.E.6.3 HYPOGLYCEMIA, COMPLICATIONS

LETTER: RECOVERABLE ORGANIC PSYCHOSIS AFTER HYPOTHYROID COMA. Cohen SI *Br Med J* 1: 831, 3 Apr 76 (Eng) DL/76AUG18

LIPID ACCUMULATION IN A HEPATOCELLULAR CARCINOMA ASSOCIATED WITH HYPOGLYCAEMIA. Chan WC, Ma L *Pathology* 7: 299-305, Oct 75 (Eng) DL/76AUG287

[HYPOGLYCEMIA AS A CAUSE OF BRAIN CHANGES] Rossi E *Pediatrics (Napoli)* 83: 424-33, 30 Sep 75 (Ita) DL/76AUG292

OPHTHALMOLOGY IN PREVENTIVE AND PREDICTIVE MEDICINE. Raiford MB *Ann Ophthalmol* 7: 1541-5, Dec 75 (Eng) [24] DL/76AUG450

## 1.E.6.4 HYPOGLYCEMIA, DIAGNOSIS

THE GLUCOSE-INSULIN RATIO IN AMNIOTIC FLUID. Newman R, Tuter G *Obstet Gynecol* 47: 599-601, May 76 (Eng) DL/76AUG279

## 1.E.6.5 HYPOGLYCEMIA, DRUG THERAPY

[DIABETES THERAPY--CONCLUSION. SEQUEL 3: THERAPEUTIC FAILURES, COUNTERINDICATIONS OF DRUG THERAPY, SIDE-EFFECTS, THERAPY OF DISEASES AND SPECIAL CONDITIONS, THERAPY OF SIDE-EFFECTS] Forster H, Forster H *Fortschr Med* 93: 1253-5, 25 Sep 75 (Ger) DL/76AUG108

NEONATAL SEPSIS. Pierog S, Nigam S *Pediatr Ann* 5: 63-79, Feb 76 (Eng) DL/76AUG289

## 1.E.6.6 HYPOGLYCEMIA, ETIOLOGY

HYPOGLYCAEMIA IN CHILDREN UNDERGOING ADENOTONSILLECTOMY. Kelnar CJ *Br Med J* 1: 751-2, 27 Mar 76 (Eng) DL/76AUG16

BIOCHEMICAL ASPECTS OF HEREDITARY FRUCTOSE INTOLERANCE. PP. 211-28. Van den Berghe G *Ino Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [94] DL/76AUG166*

PARANEOPLASTIC SYNDROMES. PP. 145-51. Burk M, Matas AJ, Simmons RL *Ino Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975. (Eng) DL/76AUG182*

[COMA HYPOGLYCAEMICUM POSTALCOHOLICUM] Andrejevic B *Ljecz Vjesn* 97: 575-7, Nov 75 (Cro) DL/76AUG236

FASTING HYPOGLYCEMIA. A CLINICOPATHOLOGIC CONFERENCE FROM VETERANS ADMINISTRATION HOSPITAL HINES, ILLINOIS. Anonymous *Postgrad Med* 59: 221-3, 225, Mar 76 (Eng) DL/76AUG306

PEDIATRICS: OFFICE MANAGEMENT OF DIABETES MELLITUS IN CHILDREN. Chase HP *Postgrad Med* 59: 243-53, May 76 (Eng) DL/76AUG313

ULTRASTRUCTURE OF HEMANGIOPERICYTOMA ASSOCIATED WITH PARANEOPLASTIC HYPOGLYCEMIA. Bommer G, Altenahr E, Kuhnau J Jr, Kloppel G *Z Krebsforsch* 85: 231-41, 19 Mar 76 (Eng) DL/76AUG389

THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR. Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM *Am J Clin Pathol* 65: 462-6, Apr 76 (Eng) DL/76AUG429

[CLINICAL ASPECTS AND THERAPY OF ADDISONS DISEASE] Schulz F, Retiene K *Anaesthesiol Intensivmed Prax* 9: 139-48, 1974 (Ger) DL/76AUG445

[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL)] Leborgne J, Panier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

## 1.E.6.7 HYPOGLYCEMIA, METABOLISM

EFFECT OF ALCOHOL ADMINISTRATION ON PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA. Priem HA, Shanley BC, Malan C *Metabolism* 25: 397-403, Apr 76 (Eng) DL/76AUG242

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

LIPID ACCUMULATION IN A HEPATOCELLULAR CARCINOMA ASSOCIATED WITH HYPOGLYCAEMIA. Chan WC, Ma L *Pathology* 7: 299-305, Oct 75 (Eng) DL/76AUG287

## 1.E.6.8 HYPOGLYCEMIA, PHYSIOPATHOLOGY

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

## 1.E.6.9 HYPOGLYCEMIA, THERAPY

PATHOGENESIS, DIAGNOSIS AND TREATMENT OF DIABETIC KETOACIDOSIS. Kogut MD *Curr Probl Pediatr* 6: 1-35, Feb 76 (Eng) [177] DL/76AUG60

[TISSUE EXCISION AT THE INJECTION SITE AS A POSSIBLE EMERGENCY THERAPY IN SUICIDE USING DEPO-INSULIN] Guderjahn R *Med Welt* 27: 538-9, 12 Mar 76 (Ger) DL/76AUG239

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## 1.F.1 ALLOXAN DIABETES (SEE SEC. 1.F.10.2)

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DIABETES MELLITUS IN PREGNANCY. White P *Clin Perinatol* 1: 331-47, Sep 74 (Eng) [38] DL/76AUG47

UPDATING DIABETES MELLITUS. INTRODUCTION. Anonymous *Compr Ther* 1: 11-4, May 75 (Eng) DL/76AUG49

DIABETES MELLITUS: A COMMON PROBLEM IN ADULTS. Rubenstein AH *Compr Ther* 1: 15-8, May 75 (Eng) DL/76AUG50

[CLINICAL ASPECTS OF DIABETES MELLITUS] Butturini U *G Clin Med* 55: 337-53, May 74 (Ita) DL/76AUG97

ADVANCES IN DIABETES. Henry WL *J Natl Med Assoc* 68: 145-7, Mar 76 (Eng) DL/76AUG204

[BEDSIDE NURSING. HEALTH INSTRUCTION FOR DIABETIC PATIENTS] Ishizaka S *Jpn J Nurs* 40: 278-81, Mar 76 (Jpn) DL/76AUG212

[SCINTILLATIO ALBESCENS, DIABETES AND ATHEROMATOSIS] Bryk E *Klin Oczna* 46: 427-30, 1976 (Pol) DL/76AUG215

MEETING THE SPECIAL NEEDS OF DIABETICS FACING SURGERY. McConnell EA *Nursing (Jenkintown)* 6: 30-7, Jun 76 (Eng) DL/76AUG278

[LIVER AND DIABETES MELLITUS] Genes SG *Ter Arkh* 48: 119-28, 1976 (Rus) DL/76AUG350

[EVALUATION BY MULTIPLE REGRESSION ANALYSIS OF THE CLINICAL CHARACTERISTICS OF A SAMPLE OF ADULT-ONSET DIABETICS] Jequier JC, Gagnon MA,

## Diabetes Literature—Hierarchical Index

### 1.F DIABETES

Annale L. *Union Med Can* 104: 935-43, Jun 75 (Fre) DL/76AUG355

#### 1.F.2.1 DIABETES MELLITUS, JUVENILE

JUVENILE DIABETES AND HUMAN SPERM QUALITY. Bartak V, Josifko M, Horackova M *Int J Fertil* 20: 30-2, 1975 (Eng) DL/76AUG123

[NUTRITION OF THE DIABETIC CHILD IN THE HOSPITAL AND AT HOME] Cotenesco A *Viata Med [Medii Sanit]* 23: 4, Apr 75 (Rum) DL/76AUG359

[MAURIACS SYNDROME] Saliu AP *Vrach Delo* 78-9, Feb 76 (Rus) DL/76AUG366

AUTOFLUORESCENCE OF THE HUMAN DIABETIC LENS IN VIVO. Helve J, Nieminen H *Am J Ophthalmol* 81: 493-4, Apr 76 (Eng) DL/76AUG436

#### 1.F.3 DIABETES, BIOCHEMISTRY RELATED

##### 1.F.3.1 DIABETES, METABOLISM

A STUDY OF THE METABOLISM OF ZINC ITS METALLOENZYMES IN DIABETES MELLITUS. Mateo MC, Bustamante JB, Quiros JF, Manchado OO *Biomédicine [Express]* 23: 134-6, 30 Apr 75 (Eng) DL/76AUG7

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

THE EFFECT OF DIABETES, INSULIN, AND THE REDOX POTENTIAL ON LUCINE METABOLISM BY ISOLATED RAT HEMIADIAPHRAGM. Buse MG, Herlong HF, Weigand DA *Endocrinology* 98: 1166-75, May 76 (Eng) DL/76AUG74

EPIDERMAL THICKNESS OF THE EAR LOBE AND DIABETES. Posinovec J, Hebrang H *Endokrinologie* 63: 381-5, 1974 (Eng) DL/76AUG81

POTASSIUM STATUS OF PATIENTS WITH CIRRHOSIS. Soler NG, Jain S, James H, Paton A *Gut* 17: 152-7, Feb 76 (Eng) DL/76AUG106

THE METABOLISM OF INFUSED MALTOSE AND OTHER SUGARS. PP. 73-99. Young EA, Weser E *In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 AS12p 1974. (Eng) [88] DL/76AUG176

THE BIOLOGICAL ROLE OF CYCLIC AMP: AN UPDATED OVERVIEW. PP. 229-47. Robison GA *In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP*. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) [44] DL/76AUG179

INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY. Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG277

MEETING THE SPECIAL NEEDS OF DIABETICS FACING SURGERY. McConnell EA *Nursing (Jenkintown)* 6: 30-7, Jun 76 (Eng) DL/76AUG278

[CONTINUOUS STUDY OF RAPIDLY FLUCTUATING PARAMETERS IN THE STUDY OF GLUCOREGULATION] Collard F, Orsetti A, Mirozue J *Pathol Biol (Paris)* 23: 747-52, Nov 75 (Fre) DL/76AUG286

CATARACTS IN EARLY LIFE: BIOCHEMISTRY. Winder AF *Proc R Soc Med* 69: 270-2, Apr 76 (Eng) DL/76AUG319

NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakor P *Prog Food Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330

[STUDY OF THE CONTENT OF TOTAL POTASSIUM IN PATIENTS WITH DIABETES MELLITUS BY THE METHOD OF WHOLE BODY RADIOMETRY] Ershova LM, Gabunia RI, Kaplan MA *Ter Arkh* 47: 117-9, 1975 (Rus) DL/76AUG348

[DIABETES MELLITUS AND CONTROL OF PROTEIN BIOSYNTHESIS IN RAT LIVER (AUTHORS TRANSL.)] Tragl KH *Wien Klin Wochenschr* 87: 349-61, 30 May 75 (Ger) [50] DL/76AUG376

##### 1.F.3.2 DIABETES, ENZYMOLOGY

[GAMMA GLUTAMYL-TRANSPEPTIDASE ACTIVITY AND FREE FATTY ACID LEVEL IN DIABETES (AUTHORS TRANSL.)] Stork A, Skachova J, Kozakova B, Fabian E, Fabianova J, Cermak K *Čas Lek Cesk* 115: 384-7, 2 Apr 76 (Cze) DL/76AUG28

RAT ADIPOSE TISSUE GLYCOGEN SYNTHASE. EVIDENCE FOR MULTIPLE DISCRETE KINETIC SPECIES AND THEIR INTERCONVERSION. Eichner RD *J Biol Chem* 251: 2316-22, 25 Apr 76 (Eng) DL/76AUG132

DIABETES MELLITUS FOLLOWING A MUMPS EPIDEMIC. Khakpour M, Nik-Akhtar B *J Trop Med Hyg* 78: 262-3, Dec 75 (Eng) DL/76AUG206

A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS. Harano Y, Shimizu Y, Yoshida M, Dtani N, Kim CI *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399

##### 1.F.3.3 DIABETES, BLOOD

[GAMMA GLUTAMYL-TRANSPEPTIDASE ACTIVITY AND FREE FATTY ACID LEVEL IN DIABETES (AUTHORS TRANSL.)] Stork A, Skachova J, Kozakova B, Fabian E, Fabianova J, Cermak K *Čas Lek Cesk* 115: 384-7, 2 Apr 76 (Cze) DL/76AUG28

EFFECT OF CLOFIBRATE ON PLASMA PROTEINS INCLUDING COMPONENTS OF THE HEMOSTATIC MECHANISM. Cederblad G, Korsan-Bengtson K *Clin Chim Acta* 66: 9-17, 2 Jan 76 (Eng) DL/76AUG41

SEVERE DIABETES: CURRENT KNOWLEDGE AS A BASIS FOR BETTER TREATMENT. Molnar GD *Compr Ther* 1: 21-4, May 75 (Eng) DL/76AUG52

ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PBB/LD MOUSE. Hunt CE, Lindsey JR, Walkley SU *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G Jr *Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112

HYPOGLYCAEMIC EFFECTS OF ONION, ALLIUM CEPA LINN. ON DIABETES MELLITUS - A PRELIMINARY REPORT. Mathew PT, Augusti KT *Indian J Physiol Pharmacol* 19: 213-7, Oct-Dec 75 (Eng) DL/76AUG120

COMPARISON OF DAILY BLOOD SUGAR PROFILES IN DIABETICS UNDER TREATMENT WITH DIFFERENT ORAL ANTIDIABETIC DRUGS. PP. 299-303. Stratmann FW *In: Scheving LE, et al., ed. Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG187

[SCINTILLATIO ALBESCENS, DIABETES AND ATHEROMATOSIS] Bryk E *Klin Ocena* 46: 427-30, 1976 (Pol) DL/76AUG215

LETTER: DIABETES WITHOUT GLUCAGON. Barnes AJ, Bloom SR, Alford FP, Russell RC *Lancet* 1: 967, 1 May 76 (Eng) DL/76AUG232

EFFECT OF FRACTIONATED INSULINS ON TOTAL PLASMA INSULIN BINDING CAPACITY AND INSULIN REQUIREMENTS IN SEVERE DIABETES. Oakley NW *Lancet* 1: 994-6, 8 May 76 (Eng) DL/76AUG233

LETTER: GLUCAGON AND BLOOD SUGAR. Anonymous *N Engl J Med* 294: 1238-40, 27 May 76 (Eng) DL/76AUG266

GASTRIC EMPTYING OF HYPERTONIC GLUCOSE IN DIABETES MELLITUS AND DUODENAL ULCER. Hall WH, Sanders LL *South Med J* 69: 433-5, Apr 76 (Eng) DL/76AUG341

[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES] Milewicz A, Stepień-Dobrowolska M, Szklarz E, Glebowska H, Gladysz A, Czarowska J *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

SUGAR METABOLISM IN OBESE CHILDREN. Barta I, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414

DIABETES AMONG MEN IN A GENERAL POPULATION. PREVALENCE AND ASSOCIATED PHYSIOLOGICAL FINDINGS. Osterander LD, Larnphar DE, Block WD *Arch Intern Med* 136: 415-20, Apr 76 (Eng) DL/76AUG456

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EFFECT OF CLOFIBRATE ON PLASMA PROTEINS INCLUDING COMPONENTS OF THE HEMOSTATIC MECHANISM. Cederblad G, Korsan-Bengtson K *Clin Chim Acta* 66: 9-17, 2 Jan 76 (Eng) DL/76AUG41

DIABETES MELLITUS IN PREGNANCY. White P *Clin Perinatol* 1: 331-47, Sep 74 (Eng) [38] DL/76AUG47

[CLINICAL ASPECTS OF DIABETES MELLITUS] Butturi U *G Clin Med* 55: 337-53, May 74 (Ita) DL/76AUG97

BAROREFLEX SENSITIVITY AND RESPONSES TO THE VALSALVA MANOEUVRE IN SUBJECTS WITH DIABETES MELLITUS. Bennett T, Hosking DJ, Hampton JR *J Neurol Neurosurg Psychiatry* 39: 178-83, Feb 76 (Eng) DL/76AUG194

ADVANCES IN DIABETES. Henry WL *J Natl Med Assoc* 68: 145-7, Mar 76 (Eng) DL/76AUG204

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CONDITIONS] Danovskii LV *Klin Med (Mosk)* 53: 17-23, Nov 75 (Rus) [54] DL/76AUG218

DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS. Kochakian CD *Pharmacol Ther [B]* 1: 149-77, 1975 (Eng) [442] DL/76AUG324

GASTRIC EMPTYING OF HYPERTONIC GLUCOSE IN DIABETES MELLITUS AND DUODENAL ULCER. Hall WH, Sanders LI. *South Med J* 69: 433-5, Apr 76 (Eng) DL/76AUG341

CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS. Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357

[CHANGES IN BLOOD COAGULATION IN DIABETIC NEPHROPATHY] Astrug A, Khristov L, Stamenova T *Vutr Boles* 14: 69-75, 1975 (Bul) DL/76AUG369

## 1.F.5 DIABETES, IMMUNOLOGY

ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS. Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

AUTOIMMUNITY AND VIRAL INFECTION IN DIABETES MELLITUS. Richens ER, Ancil RJ *Clin Exp Immunol* 23: 40-6, Jan 76 (Eng) DL/76AUG45

[INFECTION AND AUTOIMMUNE REACTION AS CAUSATIVE FACTORS OF DIABETES] Nikkila E *Duodecim* 91: 1511-4, 1975 (Fin) DL/76AUG64

THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS. Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisadi L, Hardy MA, Reemtsma K, Allen FH Jr *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY. Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

[LETTER: HLA-A GROUPS IN JUVENILE DIABETES] Cathelineau G, Cathelineau L, Hors J, Schmid M, Dausset J *Nouv Presse Med* 5: 586, 28 Feb 76 (Fre) DL/76AUG299

CLINICAL ASPECTS OF MONOCOMPONENT INSULIN IN THE TREATMENT OF DIABETES. Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

[THERAPY OF DIABETES MELLITUS TODAY] Seige K, Ulrich E *Z Gesamte Inn Med* 30: 37-42, May 75 (Ger) DL/76AUG385

[CELL-MEDIATED IMMUNE RESPONSE IN JUVENILE DIABETES] Karmazsin L, Amoro I *Acta Paediatr Acad Sci Hung* 16: 317-26, 1975 (Ger) DL/76AUG417

RESEARCH ON A NEW TYPE OF ANTIINSULIN ANTIBODY IN A DIABETIC FEMALE PATIENT: THE CYTOTOXIC ANTIBODY. ANTIINSULIN CYTOTOXIC ANTIBODY. Mathov E, Greiding L *Allergol Immunopathol (Madr)* 4: 1-14, Jan-Feb 76 (Eng) DL/76AUG424

## 1.F.6 DIABETES COMPLICATIONS AND PATHOLOGY

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#### 1.F.6.1.1 ACIDOSIS, DIABETIC

LETTER: PHENFORMIN AND LACTIC ACIDOSIS. Edwards JC *Br Med J* 1: 584, 6 Mar 76 (Eng) DL/76AUG15

PATHOGENESIS, DIAGNOSIS AND TREATMENT OF DIABETIC KETOACIDOSIS. Kogut MD *Curr Probl Pediatr* 6: 1-35, Feb 76 (Eng) [177] DL/76AUG60

[DIABETES THERAPY—CONCLUSION. SEQUEL 3: THERAPEUTIC FAILURES, COUNTERINDICATIONS OF DRUG THERAPY, SIDE-EFFECTS, THERAPY OF DISEASES AND SPECIAL CONDITIONS, THERAPY OF SIDE-EFFECTS] Forster H, Forster H *Fortschr Med* 93: 1253-5, 25 Sep 75 (Ger) DL/76AUG108

LETTER: AUTONOMIC DYSFUNCTION IN DIABETIC KETOACIDOSIS. Page M, Watkins PJ *Lancet* 1: 963, 1 May 76 (Eng) DL/76AUG230

LETTER: THYROID HORMONES IN SERIOUS NON-THYROIDAL ILLNESS. Anonymous *Lancet* 1: 1070-1, 15 May 76 (Eng) DL/76AUG234

CONSTANT LOW-DOSE INSULIN INFUSION IN SEVERE DIABETES MELLITUS. Hannan TJ, Stathers GM *Med J Aust* 1: 11-3, 3-10 Jan 76 (Eng) DL/76AUG249

EDITORIAL: INSULIN INFUSION IN KETOACIDOSIS. Anonymous *Med J Aust* 1: 2-3, 3-10 Jan 76 (Eng) DL/76AUG250

LETTER: TREATMENT OF DIABETIC KETOACIDOSIS. Anonymous *N Engl J Med* 294: 1183-4, 20 May 76 (Eng) DL/76AUG263

FATAL FULMINANT DIABETES MELLITUS. Jewett JF *N Engl J Med* 294: 1289-90, 3 Jun 76 (Eng) DL/76AUG269

LETTER: MANAGEMENT OF KETOACIDOSIS IN CHILDREN. Amato RS *N Engl J Med* 294: 1405-6, 17 Jun 76 (Eng) DL/76AUG270

[LACTIC ACIDOSIS INDUCED BY BIGUANIDES] Assan R, Heuclin C, Girard JR, Attali JR *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297

[LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN] Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298

[ATTEMPT AT TREATING DIABETIC KETOACIDOSIS WITH SMALL DOSES OF INSULIN] Dudzinski W *Pol Tyg Lek* 31: 377-8, 1 Mar 76 (Pol) DL/76AUG303

PEDIATRICS: OFFICE MANAGEMENT OF DIABETES MELLITUS IN CHILDREN. Chase HP *Postgrad Med* 59: 243-53, May 76 (Eng) DL/76AUG313

TOTAL PARENTERAL NUTRITION IN INFANTS AND CHILDREN: CENTRAL AND PERIPHERAL APPROACHES. Filler RM, Coran AG *Surg Clin North Am* 56: 395-412, Apr 76 (Eng) DL/76AUG346

[INFLUENCE OF HYPOPHOSPHATEMIA ON ERYTHROCYTE METABOLISM IN DIABETIC KETO-ACIDOSIS] Lyonais J, Card RT, Brain MC *Union Med Can* 104: 560-4, Apr 75 (Fre) DL/76AUG354

[A FURTHER CASE OF MALIGNANT HYPERTENSIA AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IPROVERATIL) (AUTHORS TRANSL)] Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446

CONGESTIVE HEART FAILURE: ROLE OF ALTERED MYOCARDIAL CELLULAR CONTROL. Katz AM *N Engl J Med* 293: 1184-91, 4 Dec 75 (Eng) \*DL/76AUG751

HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA. Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG813

[EFFECT OF ALANINE ON ACETONEMIA IN COWS AND ON PHLORHIZIN-INDUCED ACETONEMIA IN SHEEP] Weik H, Zander HD *Zentralbl Veterinärmed [A]* 22: 520-3, Aug 75 (Ger) \*DL/76AUG869

### 1.F.6.1.2 DIABETIC COMA

[EXPERIENCES FROM INTENSIVE MEDICAL CARE AT THE SAHLGRENKA HOSPITAL] Bunketorp O, Jonsson D, Stakeberg H *Läkartidningen* 73: 1720-2, 28 Apr 76 (Swe) DL/76AUG258

LETTER: THYROID HORMONES IN SERIOUS NON-THYROIDAL ILLNESS. Anonymous *Lancet* 1: 1070-1, 15 May 76 (Eng) DL/76AUG234

CONSTANT LOW-DOSE INSULIN INFUSION IN SEVERE DIABETES MELLITUS. Hannan TJ, Stathers GM *Med J Aust* 1: 11-3, 3-10 Jan 76 (Eng) DL/76AUG249

[HYPONATREMIA, HYPOSMOLARITY AND WATER INTOXICATION] Truniger B *Med Klin* 70: 1071-9, 20 Jun 75 (Ger) [30] DL/76AUG252

[HYPEROSMOLAR COMA] Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 395-404, 26 Mar 76 (Ger) DL/76AUG258

[HYPEROSMOTIC DIABETIC COMA FOLLOWING MYOCARDIAL INFARCTION] Wojtasik W *Wiad Lek* 29: 621-3, 1 Apr 76 (Pol) DL/76AUG374

[DIABETIC COMA AS A TASK FOR INTENSIVE THERAPY] Singer P, Rahn A, Schliack V *Z Gesamte Inn Med* 30: 161-2 concl, 1 Sep 75 (Ger) DL/76AUG381

[WATER INTOXICATION] Truniger B *Z Gesamte Inn Med* 30: 170-3, 1 Sep 75 (Ger) DL/76AUG382

### 1.F.6.2 DIABETIC ANGIOPATHIES

PREVENTION OF CORONARY HEART DISEASE. Anonymous *Br Med J* 1: 881-2, 10 Apr 76 (Eng) DL/76AUG21

[IMMUNOREACTIVE INSULIN IN OBESE PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL)] Karlicek V, Topolcan O, Chudacek Z *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29

TREADMILL EXERCISE TESTING OF MASS SCREENING FOR CORONARY RISK FACTORS. Allen WH, Aronow WS, De Cristofaro D *Cathet Cardiovasc Diagn* 2: 39-48, 1976 (Eng) DL/76AUG32

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- GIOPATHIES** Ciammaichella A *Clin Ter* 74: 109-21, 31 Jul 75 (Ita) DL/76AUG48
- THE SURGICAL MANAGEMENT OF PERIPHERAL VASCULAR DISEASE IN DIABETES MELLITUS.** Hershey FB *Compr Ther* 1: 30-5, May 75 (Eng) DL/76AUG54
- [SEX DIFFERENCES IN CARDIOVASCULAR MORTALITY OF DIABETICS]** Heyden S *Dtsch Med Wochenschr* 101: 789-93, 14 May 76 (Ger) DL/76AUG63
- [DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE I. COMPARISON OF THE 2 DIAGNOSTIC METHODS]** Curi SB, Ceccato S, Cucinotta D, Carapezzi C, Palumieri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99
- THE BELOW-THE-KNEE AMPUTATION FOR VASCULAR DISEASE.** Mooney V, Wagner W Jr, Waddell J, Ackerson T *J Bone Joint Surg [Am]* 58: 365-8, Apr 76 (Eng) DL/76AUG136
- [INDICATIONS AND RESULTS OF SURGICAL TREATMENT OF DIABETIC ARTERIOPATHY (APPROX. OF 196 CASES)]** Levy JB, Rettori R, Olivier C *J Clin (Paris)* 110: 547-50, Dec 75 (Fre) DL/76AUG138
- TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT.** Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189
- EALES DISEASE WITH NEUROLOGICAL INVOLVEMENT. PART 2. PATHOLOGY AND PATHOGENESIS.** Dastur DK, Singhal BS *J Neurol Sci* 72: 323-45, Mar 76 (Eng) DL/76AUG195
- PREVENTION OF CORONARY HEART DISEASE. REPORT OF A JOINT WORKING PARTY OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND THE BRITISH CARDIAC SOCIETY.** Anonymous *J R Coll Physicians Lond* 10: 213-75, Apr 76 (Eng) DL/76AUG200
- DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS?** Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201
- THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE.** Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202
- VASCULITIS IN MATURITY-ONSET DIABETES MELLITUS.** Barner HB *JAMA* 235: 2495, 7 Jun 76 (Eng) DL/76AUG208
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- LETTER: ALPHA-2 MACROGLOBULIN AND REDUCED BASEMENT-MEMBRANE DEGRADATION IN DIABETES.** Wardle EN *Lancet* 1: 963-4, 1 May 76 (Eng) DL/76AUG231
- LETTER: DIAGONAL EAR-LOBE CREASE AND DIABETIC RETINAL ANGIOPATHY.** Andresen AR, Christiansen JS, Jensen JK *N Engl J Med* 294: 1182-3, 20 May 76 (Eng) DL/76AUG262
- [CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS]** Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cioagna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardioangiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275
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- [REGISTRATION OF CASES OF MYOCARDIAL INFARCT IN WARSAW AND LUBLIN, PREVIOUS MEDICAL HISTORY]** Zespólowa P *Pol Tyg Lek* 31: 393-7, 8 Mar 76 (Pol) DL/76AUG302
- THE CONTROL OF CARDIOVASCULAR RISK FACTORS IN THE ELDERLY.** Abramson JH, Hopp C *Prev Med* 5: 32-47, Mar 76 (Eng) [96] DL/76AUG315
- [MORPHOLOGY OF CORONARY HEART DISEASE (AUTHORS TRANSL.)]** Knierrim HJ *Radiologie* 16: 84-8, Mar 76 (Ger) DL/76AUG329
- CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT.** Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336
- [ANGINA PECTORIS - CORONARY HEART DISEASE]** Gattenlohner W *Schweiz Med Woch* 14: 16-8, 15 Apr 76 (Ger) DL/76AUG337
- THE USE OF EXPANDED MICROPOROUS POLYTETRAFLUOROETHYLENE FOR LIMB SALVAGE: A PRELIMINARY REPORT.** Campbell CD, Brooks DH, Webster MW, Bahnon HT *Surgery* 79: 485-91, May 76 (Eng) DL/76AUG347
- [CARBOHYDRATE TOLERANCE, SERUM INSULIN AND TRIGLYCERIDES IN CORONARY DISEASE]** Dobrev DG, Ilkov A *Vutr Boles* 14: 11-22, 1975 (Bul) DL/76AUG371
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- [CARDIOLOGICAL EMERGENCIES IN OLD AGE]** Nelius D *Z Altersforsch* 30: 87-94, 1975 (Ger) DL/76AUG378
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- DEFINITION OF DIETARY FIBER AND HYPOTHESES THAT IT IS A PROTECTIVE FACTOR IN CERTAIN DISEASES.** Trowell H *Am J Clin Nutr* 29: 417-27, Apr 76 (Eng) [74] DL/76AUG428
- THE SEQUENTIAL FEMOROPLOTEAL BYPASS GRAFT. A FIVE YEAR EXPERIENCE.** Friedmann P, DeLaurentis DA, Rhee SW *Am J Surg* 131: 452-6, Apr 76 (Eng) DL/76AUG443
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- CORONARY RISK FACTORS IN A COMMUNITY. FINDINGS IN TECUMSEH, MICHIGAN.** Ostrander LD Jr, Lamphiear DE *Circulation* 53: 152-6, Jan 76 (Eng) \*DL/76AUG478
- EDITORIAL: POLYUNSATURATED BEEF-EATERS.** Anonymous *Lancet* 2: 960-1, 15 Nov 75 (Eng) \*DL/76AUG567
- EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS.** Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607
- PREDICTORS OF SUDDEN CARDIAC DEATH.** Friedman GD, Klatky AL, Siegel AB *Circulation* 52: 164-9, Dec 75 (Eng) \*DL/76AUG656
- EXPERIMENTAL ATHEROSCLEROSIS IN THE RAT: BIOCHEMICAL EVALUATION.** Testa R, Canestrini C, Oldani C *J Pharm Pharmacol* 27: 699-700, Sep 75 (Eng) \*DL/76AUG725
- [RETICULOENDOTHELIAL SYSTEM, LIPID METABOLISM AND ATHEROSCLEROSIS]** Vinogradov AG, Denisenko AD *Patol Fiziol Eksp Ter* 3-12, Mar-Apr 75 (Rus) [138] \*DL/76AUG756
- THE EFFECT OF DIETARY SUCROSE AND DIFFERENT DIETARY FATS ON HYPERLIPIDAEMIA AND ATHEROSCLEROSIS IN WHITE LEGHORN COCKERELS (GALLUS DOMESTICUS).** Worcester NA, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 82a-83a, Sep 75 (Eng) \*DL/76AUG773
- EVALUATION OF SERUM CHOLESTEROL REDUCTION AND XANTHINE OXIDASE INHIBITION IN THE TREATMENT OF ATHEROSCLEROSIS.** Oster KA *Recent Adv Stud Cardiac Struct Metab* 3: 73-80, 1973 (Eng) \*DL/76AUG810
- SERUM LIPID LEVELS AND THEIR RELATIONSHIP WITH ISCHEMIC HEART DISEASE IN PIGS.** Arora RB, Tayal G, Tariq M *Recent Adv Stud Cardiac Struct Metab* 3: 795-803, 1973 (Eng) \*DL/76AUG814
- MITOCHONDRIAL CALCIUM METABOLISM IN ISCHEMIC AND FAILING MYOCARDIUM.** Sordahl LA, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 535-40, 1974 (Eng) \*DL/76AUG822
- INITIAL EVENTS IN RADIATION-INDUCED ATHEROMATOSIS I. ACTIVATION OF LYSOSOMAL ENZYMES.** Konings AW, Harndon MJ, Wieringa RA, Lamberts HB *Strahlentherapie* 150: 444-8, Oct 75 (Eng) \*DL/76AUG856
- ROLE OF SUGAR IN MODERN NUTRITION.** Stare FJ *World Rev Nutr Diet* 22: 239-47, 1975 (Eng) [9] \*DL/76AUG862
- SUGAR AND CARDIOVASCULAR DISEASE.** Grande F *World Rev Nutr Diet* 22: 248-69, 1975 (Eng) [94] \*DL/76AUG863
- CLONAL CHARACTERISTICS OF FIBROUS PLAQUES AND FATTY STREAKS FROM HUMAN AORTAS.** Pearson TA, Wang BA, Solez K, Heptinstall RH *Am J Pathol* 81: 379-87, Nov 75 (Eng) \*DL/76AUG880

# 1.F DIABETES

**CORONARY HEART DISEASE—THE GLOBAL PICTURE.** Keys A *Atherosclerosis* 22: 149-92, Sep-Oct 75 (Eng) [278] \*DL/76AUG921

**THE EFFECT OF CARBON MONOXIDE ON LIPID METABOLISM OF HUMAN CORONARY ARTERIES.** Sarma JS, Tillmanns H, Ikeda S, Bing RJ *Atherosclerosis* 22: 193-8, Sep-Oct 75 (Eng) \*DL/76AUG922

**EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS.** Nandan R, Fisher JD, Towery EP, Brown DR, Ganote E, Jennings RB *Atherosclerosis* 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924

## 1.F.6.3 DIABETIC NEPHROPATHIES

**THE DIABETIC KIDNEY.** Merkel FK, Straus AK, Armbruster KF, Lewis EJ *Compr Ther* 1: 40-8, May 75 (Eng) DL/76AUG56

**DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS** Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201

**LETTER: NODULAR GLOMERULOSCLEROSIS IN A NONDIABETIC** Salomon MI *Postgrad Med* 59: 26, 29, Mar 76 (Eng) DL/76AUG307

**NUTRITIONAL ASPECTS OF CARDIOVASCULAR RENAL DISEASES.** Kark RM, Oyama JH *Prog Food Nutr Sci* 1: 611-44, 1975 (Eng) [150] DL/76AUG331

**[CHANGES IN BLOOD COAGULATION IN DIABETIC NEPHROPATHY]** Astrug A, Khristov I, Stamenova T *Vutr Boles* 14: 69-75, 1975 (Bul) DL/76AUG369

## 1.F.6.4 DIABETIC NEUROPATHIES

**EDITORIAL: STRUCTURE AND FUNCTION IN DIABETIC AUTONOMIC NEUROPATHY.** Anonymous *Br Med J* 1: 544-5, 6 Mar 76 (Eng) DL/76AUG12

**THERAPEUTIC EXPERIENCE WITH FLUDROCORTISONE IN DIABETIC POSTURAL HYPOTENSION.** Campbell IW, Ewing DJ, Clarke BF *Br Med J* 1: 872-4, 10 Apr 76 (Eng) DL/76AUG19

**DIABETES MELLITUS IN PREGNANCY.** White P *Clin Perinatol* 1: 331-47, Sep 74 (Eng) [38] DL/76AUG47

**THE MANAGEMENT OF DIABETIC FOOT PROBLEMS.** Marcove RC *Compr Ther* 1: 36-9, May 75 (Eng) DL/76AUG55

**DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS** Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201

**THE ASSESSMENT OF NOCTURNAL REM ERECTION IN THE DIFFERENTIAL DIAGNOSIS OF SEXUAL IMPOTENCE.** Fisher C, Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL/76AUG203

**[DIAGNOSIS OF DIABETIC POLYNEUROPATHY]** Manovich EE, Prikhozhan VM *Sov Med* 64-7, Dec 75 (Rus) DL/76AUG344

**ABNORMALITIES OF BLADDER INNervation IN DIABETES MELLITUS.** Andersen JT, Bradley WE *Urology* 7: 442-8, Apr 76 (Eng) DL/76AUG356

**LYSOZYME ACTIVITY IN CEREBROSPINAL FLUID.** Reitano S, Klockars M *Acta Med Scand* 199: 321-5, 1976 (Eng) DL/76AUG420

**METABOLIC ABNORMALITIES CONTRIBUTING TO DIABETIC COMPLICATIONS. II.**

**PERIPHERAL NERVES.** Anderson JW *Am J Clin Nutr* 29: 402-8, Apr 76 (Eng) [67] DL/76AUG427

## 1.F.6.5 DIABETIC RETINOPATHY

**[VALUE OF PYRIDINOL CARBAMATE IN OCULAR VASCULAR PATHOLOGY (ANGIOXINE)]** Boudet, Millet, Arnaud *Bull Soc Ophthalmol Fr* 74: 977-80, Sep-Oct 74 (Fre) DL/76AUG35

**DIABETES MELLITUS IN PREGNANCY.** White P *Clin Perinatol* 1: 331-47, Sep 74 (Eng) [38] DL/76AUG47

**[EVOLUTION OF THE DIABETIC RETINOTHERAPY IN CONNECTION WITH THE TYPE AND DURATION OF DIABETES, PATIENTS AGE AND BLOOD PRESSURE (AUTHORS TRANSL)]** Civeira F, Civeira E *Folia Clin Int (Barc)* 25: 524-37, Oct 75 (Spa) DL/76AUG94

**TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOHYPHYSAL CELLS.** PP. 287-98. Horvath E, Kovacs K, Stratmann IE, Ezrin C *Ino Hess M, ed. Electron microscopic concepts of secretion.* New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG165

**DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS** Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201

**LETTER: DIAGONAL EAR-LOBE CREASE AND DIABETIC RETINAL ANGIOPATHY.** Andresen AR, Christiansen JS, Jensen JK *N Engl J Med* 294: 1182-3, 20 May 76 (Eng) DL/76AUG262

**IMMEDIATE FUNDUS COMPLICATIONS AFTER RETINAL SCATTER PHOTOCOAGULATION. I. CLINICAL PICTURE AND PATHOGENESIS.** Huamonte FU, Peyman GA, Goldberg MF, Lockett A *Ophthalmic Surg* 7: 88-99, Spring 76 (Eng) DL/76AUG280

**EYE DISORDERS: USING ULTRASOUND IN OPHTHALMOLOGIC DIAGNOSIS.** Hodes BL *Postgrad Med* 59: 197-203, Apr 76 (Eng) DL/76AUG309

**[RATE OF BLOOD OXYGEN OUTPUT IN CERTAIN TYPES OF OCULAR PATHOLOGY]** Zaretskaia RB, Trutneva KV, Epshtein IM, Mikhailova NA *Vestn Oftalmol* 19-22, Jul-Aug 75 (Rus) DL/76AUG358

**A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS.** Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

**PRELIMINARY REPORT ON EFFECTS OF PHOTOCOAGULATION THERAPY. THE DIABETIC RETINOPATHY STUDY RESEARCH GROUP.** Anonymous *Am J Ophthalmol* 81: 383-96, Apr 76 (Eng) DL/76AUG433

**THE ELECTRORETINOGRAM AFTER PERIPHERAL RETINAL ABLATION IN DIABETIC RETINOPATHY.** Ogden TE, Callahan F, Rieckhoff FT *Am J Ophthalmol* 81: 397-402, Apr 76 (Eng) DL/76AUG434

**AUTOFLUORESCENCE OF THE HUMAN DIABETIC LENS IN VIVO.** Helve J, Nieminen H *Am J Ophthalmol* 81: 493-4, Apr 76 (Eng) DL/76AUG436

**SIMPLIFIED PERIMETRY.** Hall DL, Cleasby GW *Ann Ophthalmol* 8: 279-82, Mar 76 (Eng) DL/76AUG451

**CYSTOID MACULOPATHY IN DIABETICS.** Patz A. *Arch Ophthalmol* 94: 761-8, May 76 (Eng) DL/76AUG464

## 1.F.6.6 OTHER COMPLICATIONS OF DIABETES

**PREVENTION OF CORONARY HEART DISEASE.** Anonymous *Br Med J* 1: 881-2, 10 Apr 76 (Eng) DL/76AUG21

**THE EPIPHYSEAL DYSPLASIAS.** Spranger J *Clin Orthop* 46-59, Jan-Feb 76 (Eng) DL/76AUG46

**THE MANAGEMENT OF DIABETIC FOOT PROBLEMS.** Marcove RC *Compr Ther* 1: 36-9, May 75 (Eng) DL/76AUG55

**[SEX DIFFERENCES IN CARDIOVASCULAR MORTALITY OF DIABETICS]** Heyden S *Dtsch Med Wochenschr* 101: 789-93, 14 May 76 (Ger) DL/76AUG63

**[SIGNIFICANCE OF FATTY LIVER AS AN EARLY SYMPTOM OF DIABETES MELLITUS AND HYPERLIPOPROTEINEMIAS]** Hanefeld M, Haller H, Renger F, Stotzner H *Dtsch Z Verdau Stoffwechselk* 34: 299-300, 1974 (Ger) DL/76AUG65

**[COMBINED CLOFIBRATE-CHLORPROPAMIDE THERAPY IN DIABETES INSIPIDUS COMPLICATED WITH DIABETES MELLITUS]** Czako L, Laszlo FA, Kahan-Laszlo I *Endokrinologie* 65: 364-74, 1975 (Ger) DL/76AUG82

**[CLINICAL ASPECTS OF DIABETES MELLITUS]** Butturini U *G Clin Med* 55: 337-53, May 74 (Ita) DL/76AUG97

**[THE CANDIDIOSIS OF THE STOMACH]** Vitovec J *Fortschr Geb Roentgenstr Nuklearmed* 124: 289-90, Mar 76 (Ger) DL/76AUG107

**[DIABETES THERAPY—CONCLUSION. SEQUEL 3: THERAPEUTIC FAILURES, COUNTERINDICATIONS OF DRUG THERAPY, SIDE-EFFECTS, THERAPY OF DISEASES AND SPECIAL CONDITIONS, THERAPY OF SIDE-EFFECTS]** Forster H, Forster H *Fortschr Med* 93: 1253-5, 25 Sep 75 (Ger) DL/76AUG108

**A POSITIVE MONOSPOT TEST IN A DIABETIC WITH SARCOIDOSIS.** Lalor BC, Feely J, Drury MI *Ir J Med Sci* 145: 58-9, Feb 76 (Eng) DL/76AUG126

**SKIN AND DIABETES. II. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH HERPES ZOSTER.** Calandra P, Lisi P *Ital Gen Rev Dermatol* 11: 207-13, Sep-Dec 74 (Eng) DL/76AUG128

**SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG.** Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 215-20, Sep-Dec 74 (Eng) DL/76AUG129

**EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN.** Ueda K, Omae T, Hirota Y, Takeshita M, Hiroyoshi Y *J Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

**SEIZURE DISORDERS AS THE SOLE MANIFESTATION OF OCCLUSIVE VASCULAR DISEASE.** PP. 214-24. Waddington MM, R DISEASE. PP. Ino Austin GM, ed. *Microneurosurgical anastomoses for cerebral ischemia.* Springfield, Ill., Thomas, 1976. W3 IN919M 1973m. (Eng) DL/76AUG160

**DISORDERS OF VISION: VASCULAR, METABOLIC AND ENDOCRINE.** PP. 187-200.

## Diabetes Literature—Hierarchical Index

### I.F DIABETES

- Knox DL, VASCULAR, METAB, OCRINE. PP. *Ino Fields WS, ed. Neurological and sensory disorders in the elderly. New York, Stratton, 1975. WL 100 H843n 1974. (Eng) DL/76AUG163*
- TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT. Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189
- DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201
- VASCULITIS IN MATURITY-ONSET DIABETES MELLITUS. Barner HB *JAMA* 235: 2495, 7 Jun 76 (Eng) DL/76AUG208
- LETTER: ACUTE DIABETIC ABDOMEN. Jenkins ST *Lancet* 1: 963, 1 May 76 (Eng) DL/76AUG229
- FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY. Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244
- [HYPEROSMOLAR COMA] Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 395-404, 26 Mar 76 (Ger) DL/76AUG258
- MUCOCARDIAL INFARCTION AND ESTROGEN THERAPY IN POST-MENOPAUSAL WOMEN. Rosenberg I, Armstrong B, Phil D, Jick H *N Engl J Med* 294: 1256-9, 3 Jun 76 (Eng) DL/76AUG267
- [CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petrobont V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275
- [LETTER: HYPOGLYCEMIA DURING BETA BLOCKING TREATMENT] Certin M, Wechsler B, Bletty O, Godeau P *Nouv Presse Med* 5: 862, 27 Mar 76 (Fre) DL/76AUG296
- [REGISTRATION OF CASES OF MYOCARDIAL INFARCT IN WARSAW AND LUBLIN. PREVIOUS MEDICAL HISTORY] Zespilowa P *Pol Tys Lek* 31: 393-7, 8 Mar 76 (Pol) DL/76AUG302
- LETTER: DIABETES-RELATED NEUROPATHIC AND VASCULAR COMPLICATIONS. Block BN *Postgrad Med* 59: 29, Mar 76 (Eng) DL/76AUG308
- PEDIATRICS: OFFICE MANAGEMENT OF DIABETES MELLITUS IN CHILDREN. Chase HP *Postgrad Med* 59: 243-53, May 76 (Eng) DL/76AUG313
- CATARACTS IN EARLY LIFE: BIOCHEMISTRY. Winder AF *Proc R Soc Med* 69: 270-2, Apr 76 (Eng) DL/76AUG319
- ACANTHOSIS NIGRICANS AND ERUPTIVE XANTHOMA. Emmerson RW *Proc R Soc Med* 69: 311-2, Apr 76 (Eng) DL/76AUG320
- [CHARACTERISTICS OF CHEMICAL DIABETES MELLITUS IN WOMEN] Petcu D, Motocu M, Gligore V *Rev Med Intern [Med Intern]* 28: 145-51, Mar-Apr 76 (Rum) DL/76AUG334
- CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlita MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336
- [ANGINA PECTORIS - CORONARY HEART DISEASE] Gattenloehner W *Schweiz Rev* 14: 16-8, 15 Apr 76 (Ger) DL/76AUG337
- FEMOROPLOPITEAL BYPASS FOR SALVAGE AND CLAUDICATION: A COMPARISON OF LONG-TERM RESULTS. Martin CE, Foster JH *South Med J* 69: 420-3, Apr 76 (Eng) DL/76AUG340
- THE USE OF EXPANDED MICROPOROUS POLYTETRAFLUOROETHYLENE FOR LIMB SALVAGE: A PRELIMINARY REPORT. Campbell CD, Brooks DH, Webster MW, Bahnson HT *Surgery* 79: 485-91, May 76 (Eng) DL/76AUG347
- [PANCREATIC ABSCESS AND ACUTE DIABETES MELLITUS] de Leeuw I, Abs R *Tijdschr Gastroenterol* 18: 329-39, 1975 (Dut) DL/76AUG353
- ABNORMALITIES OF BLADDER INNERVATION IN DIABETES MELLITUS. Andersen JT, Bradley WE *Urology* 7: 442-8, Apr 76 (Eng) DL/76AUG356
- CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS. Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357
- [RENAL GLYCOSURIA (POSSIBILITY OF RELATION TO DIABETES MELLITUS)] Rames I, Vankova B *Vnitř Lek* 22: 268-73, Mar 76 (Cze) DL/76AUG361
- [TREATMENT OF HYPERTON IN DIABETES MELLITUS] Wedler B, Wustenberg PW, Naumann G *Z Gesamte Inn Med* 30: 437-42, 1 Jul 75 (Ger) DL/76AUG380
- CAROTENEMIC, SKIN COLOUR AND DIABETES MELLITUS. Hoerer E, Dreyfuss F, Herzberg M *Acta Diabetol Lat* 12: 202-7, May-Jun 75 (Eng) DL/76AUG402
- LESSONS OF THE LEGS IN DIABETICS AND IN PATIENTS WITH FAMILIAL AMYLOIDOSIS AND POLYNEUROPATHY. Lithner F *Acta Med Scand [Suppl]* 1-23, 1976 (Eng) DL/76AUG421
- EFFECTS OF GLUCOCORTICOIDS ON CARBOHYDRATE METABOLISM. Olefsky JM, Kimmerling G *Am J Med Sci* 271: 202-10, Mar-Apr 76 (Eng) DL/76AUG430
- THE SIGNIFICANCE OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN PREGNANCY. Perkins RP *Am J Obstet Gynecol* 125: 215-23, 15 May 76 (Eng) DL/76AUG431
- [LIPOATROPHIC DIABETES] de Dobbeleer G, Dive M, Balasse E *Arch Belg Dermatol* 30: 107-9, Apr-Jun 74 (Fre) DL/76AUG453
- ESOPHAGEAL MOTOR DYSFUNCTION IN SYSTEMIC DISEASES. Mukhopadhyay AK, Graham DY *Arch Intern Med* 136: 583-8, May 76 (Eng) [79] DL/76AUG458
- I.F.6.7 DIABETES PATHOLOGY
- [ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ISLETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36
- EPIDERMAL THICKNESS OF THE EAR LOBE AND DIABETES. Posinovec J, Hebrang H *Endokrinologie* 63: 381-5, 1974 (Eng) DL/76AUG81
- ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PBB/LD MOUSE. Hunt CE, Lindsey JR, Walkley SU *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93
- VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS. Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190
- [AMYLOIDOSIS OF THE ISLANDS OF LANGERHANS AND ITS EFFECTS WITH REGARD TO THEIR CELLULAR COMPONENTS] Melato M, Antonutto G, Giarelli I, Mlac M *Pathologica* 67: 109-18, Mar-Apr 75 (Ita) DL/76AUG288
- HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318
- I.F.6.8 PREGNANCY IN DIABETES
- FACTORS AFFECTING RISKS OF CONGENITAL MALFORMATIONS. II. EFFECT OF MATERNAL DIABETES ON CONGENITAL MALFORMATIONS. Chung CS, Myrianthopoulos NC *Birth Defects* 11: 23-38, 1975 (Eng) [36] DL/76AUG8
- [CHILDREN OF DIABETIC MOTHERS--RELATIONSHIP BETWEEN METABOLIC CONDITIONS AFTER DELIVERY AND LONG-TERM PROGNOSIS] Zezulakova J, Pribylova H *Cesk Pediatr* 31: 57-60, Feb 76 (Cze) DL/76AUG33
- DIABETES MELLITUS IN PREGNANCY. White P *Clin Perinatol* 1: 331-47, Sep 74 (Eng) [38] DL/76AUG47
- CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER. Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69
- [NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80
- HORMONAL CONTROL OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY DURING DEVELOPMENT OF THE RAT. Hauser CA, Bailey E *Enzyme* 21: 115-26, 1976 (Eng) DL/76AUG83
- [HYPOGLYCEMIA. PART 4. GENERAL CAUSES, PHYSIOLOGICAL NEWBORN HYPERGLYCEMIA, HYPERGLYCEMIA IN VARIOUS ILLNESSES, METABOLIC DEFICIENCY, AND METABOLIC ERROR] Forster H *Fortschr Med* 94: 332-8, 19 Feb 76 (Ger) DL/76AUG109
- POLYAMINE TRANSPORT AND METABOLISM IN MOUSE MAMMARY GLAND. GENERAL PROPERTIES AND HORMONAL REGULATION. Kano K, Oka T *J Biol Chem* 251: 2795-800, 10 May 76 (Eng) DL/76AUG135
- QUANTITATIVE DETERMINATION OF SEX HORMONE-BINDING GLOBULIN CAPACITY IN THE PLASMA OF NORMAL AND DIABETIC PREGNANCIES. De Hertogh R, Thomas K, Vanderheyden I *J Clin Endocrinol Metab* 42: 773-7, Apr 76 (Eng) DL/76AUG147



# Diabetes Literature—Hierarchical Index

## I.F. DIABETES

- METABOLISM AND PHYSIOLOGICAL EFFECTS OF THE POLYOLS (ALDITOLS).** PP. 123-34. Touster O In: *Jeane A, Hodge J, ed. Physiological effects of food carbohydrates.* Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [43] DL/76AUG174
- THE ROLE OF TRACE ELEMENTS IN HUMAN NUTRITION AND METABOLISM.** PP. 156-77. Tuman RW, Doisy RJ In: *Jeane A, Hodge J, ed. Physiological effects of food carbohydrates.* Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [59] DL/76AUG177
- DIAZOXIDE.** Koch-Weser J *N Engl J Med* 294: 1271-3, 3 Jun 76 (Eng) [41] DL/76AUG268
- FATAL FULMINANT DIABETES MELLITUS.** Jewett JF *N Engl J Med* 294: 1289-90, 3 Jun 76 (Eng) DL/76AUG269
- THE GLUCOSE-INSULIN RATIO IN AMNIOTIC FLUID.** Newman R, Tutera G *Obstet Gynecol* 47: 599-601, May 76 (Eng) DL/76AUG279
- PROLACTIN AND GONADAL FUNCTION.** Besser GM, Thorne M *Pathol Biol (Paris)* 23: 779-82, Dec 75 (Eng) DL/76AUG281
- NEONATAL SEPSIS.** Pierog S, Nigam S *Pediatr Ann* 5: 63-79, Feb 76 (Eng) DL/76AUG289
- DIABETIC PREGNANCY.** Brundenell M *Nurs Mirror* 142: 60-2, 8 Apr 76 (Eng) DL/76AUG300
- [GLYCEMIA AND THE LEVELS OF FREE FATTY ACIDS IN SMALL-FOR-DATE BORN INFANTS AFTER MONOSACCHARIDE LOAD. COMMUNICATION 1 (AUTHORS TRANSL.)]** Sztotwa W, Kantoch Z, Rodkiewicz B, Rola-Janicki A *Probl Med Wiek Rozwoj* 5: 75-81, 1975 (Pol) DL/76AUG316
- [CHARACTERISTICS OF CHEMICAL DIABETES MELLITUS IN WOMEN]** Petcu D, Motocu M, Gilgore V *Rev Med Intern [Med Intern]* 28: 145-51, Mar-Apr 76 (Rum) DL/76AUG334
- [NORMOGLYCEMIC GLYCOSURIA IN PREGNANT WOMEN. DISCUSSION CONTRIBUTION TO THE ARTICLE OF ASSISTANT PROF. PAV AND SPERL, M.D. TUBULAR EXTRACTION OF GLUCOSE IN PREGNANT WOMEN VNIITRI LK. 21, 1975, 12, P.1166-9]** Rames I *Vnitri Lek* 22: 401-2, Apr 76 (Cze) DL/76AUG364
- [ACUTE HEMODIALYSIS IN INTERNAL MEDICINE EMERGENCY THERAPY]** Mampel E, Koall W, Ganzert G *Z Gesamte Inn Med* 30: 175-6 contd, 1 Sep 75 (Ger) DL/76AUG383
- [ADENOSINE-3, 5-MONOPHOSPHATE IN AMNIOTIC FLUID OF NORMAL AND HIGH-RISK PREGNANCY (AUTHORS TRANSL.)]** Dudenhausen JW, Dudenhausen R *Z Geburtshilfe Perinatol* 180: 46-50, Feb 76 (Ger) DL/76AUG388
- [COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP]** Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415
- [SOMATIC AND MENTAL DEVELOPMENT OF CHILDREN FROM DIABETIC MOTHERS: RESULTS OF A FOLLOW-UP AT AGES BETWEEN 4 TO 16 YEARS]** Amendt P *Acta Paediatr Acad Sci Hung* 16: 299-315, 1975 (Ger) DL/76AUG416
- THE SIGNIFICANCE OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN PREGNANCY.** Perkins RP *Am J Obstet Gynecol* 125: 215-23, 15 May 76 (Eng) DL/76AUG431
- REMISSION OF DIABETES MELLITUS DURING PREGNANCY.** Gabbe SG, Dizerega GS, Mestman JH *Am J Obstet Gynecol* 125: 264-5, 15 May 76 (Eng) DL/76AUG432
- FAT THICKNESS IN THE NEONATAL SMALL LEFT COLON SYNDROME.** Kuhns LR, Berger PE, Poznanski AK, Holt JF *Am J Roentgenol* 126: 538-41, Mar 76 (Eng) DL/76AUG441
- [STUDYING THE IMMOBILITY OF SHEEP IN THE PERINATAL PERIOD]** Bostedt H *Berl Munch Tierarztl Wochenschr* 89: 156-61, 15 Apr 76 (Ger) DL/76AUG467
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- [COURSE OF BLOOD SUGAR AND EOSINOPHIL COUNT DURING PREGNANCY IN CATTLE]** Talos V, Roth G, Pop P, Trif A *Dtsch Tierarztl Wochenschr* 82: 286-8, 5 Jul 75 (Ger) \*DL/76AUG495
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- CORRELATION BETWEEN HUMAN CHORIONIC SOMATOMAMMOTROPIN AND PLACENTAL WEIGHT.** Rolschau J, Date J, Kristoffersen K, Pedersen GT, Ulrich M *Acta Obstet Gynecol Scand* 54: 341-6, 1975 (Eng) \*DL/76AUG598
- MATERNAL SMOKING AND FETAL BREATHING MOVEMENTS.** Gennser G, Marsal K, Brantmark B *Am J Obstet Gynecol* 123: 861-7, 15 Dec 75 (Eng) \*DL/76AUG608
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- THE PRESENT SITUATION OF CLINICAL MONITORING OF THE FETUS DURING LABOR.** Saling EZ, Dudenhausen JW *J Perinat Med* 1: 75-103, 1973 (Eng) [96] \*DL/76AUG723
- AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR.** Esteban-Altirriba J, Rene AM, Duran P, Cabero L, Giralte E, Carreras M, Garcia-Cambronero MT *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724
- THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION.** Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772
- [FUTURE OF ENDOCRINOLOGY]** Reig AA *Rev Iber Endocrinol* 22: 393-482, Sep-Oct 75 (Spa) [119] \*DL/76AUG842
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- [CHANGES IN GLUCOSE-6-PHOSPHATE DEHYDROGENASE ACTIVITY IN THE HUMAN PLACENTA DURING PREGNANCY]** Csaba I, Nagy P, Szabo I, Bucs G, Varga K *Zentralbl Gynaekol* 97: 714-7, 1975 (Ger) \*DL/76AUG866
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- SKIN AND DIABETES. II. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH HERPES ZOSTER.** Calandra P, Lisi P *Ital Gen Rev Dermatol* 11: 207-13, Sep-Dec 74 (Eng) DL/76AUG128
- SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG.** Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 215-20, Sep-Dec 74 (Eng) DL/76AUG129
- [SCREENING FOR HYPERLIPIDEMIA IN YOUNG ADULTS]** Fromantin M, Freyria J, Drieu M, Bon R *Nouv Presse Med* 5: 851-2, 27 Mar 76 (Fre) DL/76AUG295
- [POSTPRANDIAL LEVELS OF BLOOD SUGAR, CHOLESTEROL AND TOTAL LIPIDS IN A GROUP OF NORMAL STUDENTS]** Sneed A, Butuc C, Dughir E, Dimitriu M *Rev Med Chir Soc Med Nat Iasi* 79: 555-60, Oct-Dec 75 (Rum) DL/76AUG333
- LOWER FREQUENCY OF DIABETES AMONG HOSPITALIZED NEGRO THAN WHITE CHILDREN: THEORETICAL IMPLICATIONS.** MacDonald MJ *Acta Genet Med Gemellol (Roma)* 24: 119-26, 1975 (Eng) DL/76AUG410
- DEFINITION OF DIETARY FIBER AND HYPOTHESES THAT IT IS A PROTECTIVE FACTOR IN CERTAIN DISEASES.** Trowell H *Am J Clin Nutr* 29: 417-27, Apr 76 (Eng) [74] DL/76AUG428

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### 1.F DIABETES

**MEDICAL DISORDERS IN A SMALL CARIBBEAN ISLAND. AN ANALYSIS OF THE DISEASE OF ADULTS IN DOMINICA IN 1972 AND 1973.** Grell GA *Ann Trop Med Parasitol* 70: 1-10, Mar 76 (Eng) DL/76AUG455

**DIABETES AMONG MEN IN A GENERAL POPULATION. PREVALENCE AND ASSOCIATED PHYSIOLOGICAL FINDINGS.** Ostlander I.D., Lamphiear DE, Block WD *Arch Intern Med* 136: 415-20, Apr 76 (Eng) DL/76AUG456

#### 1.F.7.2 DIABETES, ETIOLOGY

**AUTOIMMUNITY AND VIRAL INFECTION IN DIABETES MELLITUS.** Richens ER, Ancil RJ *Clin Exp Immunol* 23: 40-6, Jan 76 (Eng) DL/76AUG45

**UPDATING DIABETES MELLITUS. INTRODUCTION.** Anonymous *Compr Ther* 1: 11-4, May 75 (Eng) DL/76AUG49

**OBESITY, CARBOHYDRATE, AND LIPID INTERACTIONS IN THE ELDERLY.** Bierman EL *Curr Concepts Nutr* 4: 171-6, 1976 (Eng) [19] DL/76AUG59

**[INFECTION AND AUTOIMMUNE REACTION AS CAUSATIVE FACTORS OF DIABETES]** Nikkila E *Duodecim* 91: 1511-4, 1975 (Fin) DL/76AUG64

**METABOLIC EFFECTS OF DIETARY CARBOHYDRATES—A REVIEW.** PP. 20-45. Reiser S *Int J Leuc A, Hodge J, ed. Physiological effects of food carbohydrates.* Washington, D.C., American Chemical Society, 1975. *QU* 75 A512p 1974. (Eng) [106] DL/76AUG173

**VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS.** Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

**DIABETES MELLITUS FOLLOWING A MUMPS EPIDEMIC.** Khakpour M, Nik-Akhtar B *J Trop Med Hyg* 78: 262-3, Dec 75 (Eng) DL/76AUG206

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**[EARLY DETECTION OF DIABETES MELLITUS IN ADULTS AND FACTORS OF INCREASED RISK OF ITS DEVELOPMENT]** Antonov IuS, Khizhniak MI *Ter Arkh* 48: 114-9, 1976 (Rus) DL/76AUG349

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#### 1.F.7.4 DIABETES, FAMILIAL AND GENETIC

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**ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PBB/LD MOUSE.** Hunt CE, Lindsey JR, Walkley SU *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93

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**SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG.** Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 215-20, Sep-Dec 74 (Eng) DL/76AUG129

**VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS.** Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

**SUSCEPTIBILITY OF MICE TO GROUP B COXSACKIE VIRUS IS INFLUENCED BY THE DIABETIC GENE.** Webb SR, Loria RM, Madge GE, Kibrick S *J Exp Med* 143: 1239-48, 1 May 76 (Eng) DL/76AUG191

**THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS.** Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisiadis L, Hardy MA, Reemtsma K, Allen FH Jr *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

**[CHARACTERISTICS OF CHEMICAL DIABETES MELLITUS IN WOMEN]** Petcu D, Motocu M, Gligore V *Rev Med Intern [Med Intern]* 28: 145-51, Mar-Apr 76 (Rum) DL/76AUG334

**[DETECTION AND PREVENTIVE MEDICAL EXAMINATION OF CHILDREN WITH A HEAVY HISTORY IN CONNECTION WITH DIABETES MELLITUS]** Khodorovskaia IK, Bakhareva TP *Vopr Okhr Materin Det* 20: 87, Sep 75 (Rus) DL/76AUG365

#### 1.F.7.5 PREDIABETIC STATE

**EXPERIMENTAL PREVENTION OF DIABETES IN PREDIABETICS: STUDIES OF CHINESE HAMSTERS.** Gerritsen GC *Compr Ther* 1: 25-9, May 75 (Eng) DL/76AUG53

**[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE]** Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

**RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS.** Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Einsack JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

**[CHARACTERISTICS OF CHEMICAL DIABETES MELLITUS IN WOMEN]** Petcu D, Motocu M, Gligore V *Rev Med Intern [Med Intern]* 28: 145-51, Mar-Apr 76 (Rum) DL/76AUG334

**[DIAGNOSIS OF THE EARLY STAGES OF DIABETES AND PREVENTION OF DIABETES MANIFESTATIONS]** Michaelis D, Neumann I, Schulz B *Z Gesamte Inn Med* 30: 42-4, May 75 (Ger) DL/76AUG386

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**SUGAR METABOLISM IN OBESE CHILDREN.** Barta L, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414

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**SEVERE DIABETES: CURRENT KNOWLEDGE AS A BASIS FOR BETTER TREATMENT.** Molnar GD *Compr Ther* 1: 21-4, May 75 (Eng) DL/76AUG52

**[SIGNIFICANCE OF FATTY LIVER AS AN EARLY SYMPTOM OF DIABETES MELLITUS AND HYPERLIPOPROTEINEMIAS]** Hanefeld M, Haller H, Renger F, Stotzner H *Dtsch Z Verdau Stoffwechselk* 34: 299-300, 1974 (Ger) DL/76AUG65

**[CUTANEOUS CHANGES IN DIABETES MELLITUS WITH SPECIAL REFERENCE TO BULLOUS IDIOPATHICA]** Cubela V, Lusicky B, Ivankovic E *Dermatol Monatsschr* 161: 217-9, Mar 75 (Ger) DL/76AUG95

**INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS.** Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

**THE USE OF SCREENING AND DIAGNOSTIC PROCEDURES: THE ORAL GLUCOSE TOLERANCE TEST.** Prout TE *Md State Med J* 25: 62-5, May 76 (Eng) DL/76AUG225

**[FUNCTION TESTS FOR CARBOHYDRATE METABOLISM IN CLINICAL AND MEDICAL PRACTICE. BASIC PRINCIPLES, TECHNIC AND VALUE]** Kattermann R, Kobberling J *Med Welt* 26: 2293-9, 19 Dec 75 (Ger) DL/76AUG238

**[LONG-TERM CARE OF DIABETIC CHILDREN]** Weber B *Monatsschr Kinderheilkd* 124: 185-8, Apr 76 (Ger) DL/76AUG255

**LETTER: A FREQUENT SIGN OF DIABETES MELLITUS.** Margolis J, Margolis LS *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG264

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- NOASSAY] Iacono G *Quad Sclavo Diagn* 11: 218-38, Jun 75 (Ita) DL/76AUG327
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- [EVALUATION BY MULTIPLE REGRESSION ANALYSIS OF THE CLINICAL CHARACTERISTICS OF A SAMPLE OF ADULT-ONSET DIABETICS] Jequier JC, Gagnon MA, Annable I. *Union Med Can* 104: 935-43, Jun 75 (Fre) DL/76AUG355
- [DETECTION AND PREVENTIVE MEDICAL EXAMINATION OF CHILDREN WITH A HEAVY HISTORY IN CONNECTION WITH DIABETES MELLITUS] Khodorovskaia IK, Bakhareva TP *Vopr Okhr Materin Det* 20: 87, Sep 75 (Rus) DL/76AUG365
- [DIRECTED LABORATORY DIAGNOSIS FOR THE GENERAL PRACTITIONER] Nord-Wurttemberg KV ZFA 52: 285-303, 29 Feb 76 (Ger) DL/76AUG392
- CAROTENEMIC, SKIN COLOUR AND DIABETES MELLITUS. Hoerer E, Dreyfuss F, Herzberg M *Acta Diabetol Lat* 12: 202-7, May-Aug 75 (Eng) DL/76AUG402
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- LOWER FREQUENCY OF DIABETES AMONG HOSPITALIZED NEGRO THAN WHITE CHILDREN: THEORETICAL IMPLICATIONS. Mac Donald MJ *Acta Genet Med Gemellol (Roma)* 24: 119-26, 1975 (Eng) DL/76AUG410
- SUGAR METABOLISM IN OBESE CHILDREN. Barta L, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414
- [COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415
- EFFECT OF LONG TERM USE OF ORAL CONTRACEPTIVES ON GLUCOSE TOLERANCE. Muck BR *Arch Gynaecol* 220: 185-90, 5 Mar 76 (Eng) DL/76AUG460
- ## 1.F.9 DIABETES, THERAPY RELATED
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- THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE. Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202
- [POSSIBILITIES IN PREVENTION OF MANIFEST DIABETES MELLITUS IN POTENTIAL DIABETICS (PRELIMINARY REPORT)] Dvorakova L, Valnickova J, Mikan M, Prokes J *Vnitr Lek* 22: 262-7, Mar 76 (Cze) DL/76AUG360
- [THERAPY OF DIABETES MELLITUS TODAY] Seige K, Ulrich E *Z Gesamte Inn Med* 30: 37-42, May 75 (Ger) DL/76AUG385
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- [PATHOGENIC CHARACTERISTICS OF THE EARLY STAGES OF DIABETES MELLITUS AND PREVENTIVE CONSEQUENCES] Popov A *Z Gesamte Inn Med* 30: 44-8 contd, May 75 (Ger) DL/76AUG387
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- [ADIPOSY IN CHILDREN] Spahn U, Knoll G, Plenert W *Kinderarztl Prax* 43: 166-80, Apr 75 (Ger) [71] DL/76AUG213
- INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY. Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG277
- NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakor P *Prog Food Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330
- [MAURIACS SYNDROME] Salii AP *Vrach Delo* 78-9, Feb 76 (Rus) DL/76AUG366
- [ETIOPATHOGENESIS OF DIABETES MELLITUS TODAY (CONTINUATION)] Bibergeil H *Z Gesamte Inn Med* 30: 33-6 concl, May 75 (Ger) DL/76AUG384
- [DIAGNOSIS OF THE EARLY STAGES OF DIABETES AND PREVENTION OF DIABETES MANIFESTATIONS] Michaelis D, Neumann I, Schulz B *Z Gesamte Inn Med* 30: 42-4, May 75 (Ger) DL/76AUG386
- GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN. Fallucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406
- DIABETES AMONG MEN IN A GENERAL POPULATION. PREVALENCE AND ASSOCIATED PHYSIOLOGICAL FINDINGS. Ostlander LD, Lamphiear DE, Block WD *Arch Intern Med* 136: 415-20, Apr 76 (Eng) DL/76AUG456
- #### 1.F.9.2.2 GLUCOSE, THERAPEUTIC USE
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- CONSTANT LOW-DOSE INSULIN INFUSION IN SEVERE DIABETES MELLITUS. Hannan TJ, Stathers GM *Med J Aust* 1: 11-3, 3-10 Jan 76 (Eng) DL/76AUG249
- NEONATAL SEPSIS. Pierog S, Nigam S *Pediatr Ann* 5: 63-79, Feb 76 (Eng) DL/76AUG289
- [A FURTHER CASE OF MALIGNANT HYPERTENSIA AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IPROVERATIL) (AUTHORS TRANSL)] Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446
- ### 1.F.9.2.3 DIET
- HISTORY OF THE TREATMENT OF RHEUMATOID ARTHRITIS. Hart FD *Br Med J* 1: 763-5, 27 Mar 76 (Eng) DL/76AUG17
- THE EFFECT OF NUTRITIONAL FACTORS ON BRAIN AMINO ACID LEVELS AND MONOAMINE SYNTHESIS. Fernstrom JD *Fed Proc* 35: 1151-6, Apr 76 (Eng) DL/76AUG92
- PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D *Ino Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188*
- THE CONTROL OF CARDIOVASCULAR RISK FACTORS IN THE ELDERLY. Abramson JH, Hopp C *Prev Med* 5: 32-47, Mar 76 (Eng) [96] DL/76AUG315
- NUTRITIONAL ASPECTS OF CARDIOVASCULAR RENAL DISEASES. Kark RM, Oyama JH *Prog Food Nutr Sci* 1: 611-44, 1975 (Eng) [150] DL/76AUG331
- [ROLE OF NUTRITION IN THE PREVENTION AND TREATMENT OF ATHEROSCLEROSIS] Szostak WB *Wiad Lek* 29: 709-13, 15 Apr 76 (Pol) [0] DL/76AUG375
- [ETIOPATHOGENESIS OF DIABETES MELLITUS TODAY (CONTINUATION)] Bibergeil H *Z Gesamte Inn Med* 30: 33-6 concl, May 75 (Ger) DL/76AUG384
- INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG. Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409
- DEFINITION OF DIETARY FIBER AND HYPOTHESES THAT IT IS A PROTECTIVE FACTOR IN CERTAIN DISEASES. Trowell H *Am J Clin Nutr* 29: 417-27, Apr 76 (Eng) [74] DL/76AUG428
- [PARTICIPATION OF THE SMALL INTESTINE IN CARBOHYDRATE METABOLISM] Berkman RA, Iatsenko IV *Fiziol Zh SSSR* 61: 1697-1703, Nov 75 (Rus) \*DL/76AUG500
- [THE INFLUENCE OF FEEDING ON CLINICAL-CHEMICAL PARAMETERS IN THE SERUM OF RATS (AUTHORS TRANSL)] Breuer J, Kieser H *Z Klin Chem Klin Biochem* 13: 401-5, Sep 75 (Ger) \*DL/76AUG595
- INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MICE: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS. Seyberth HW, Oelz O, Kennedy T, Sweetman

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### 1.F DIABETES

- BJ, Danon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664
- USE OF 1,3-BUTANEDIOL FOR LACTATION AND GROWTH IN CATTLE.** Young JW *Fed Proc* 34: 2177-81, Nov 75 (Eng) \*DL/76AUG682
- BUTANEDIOL AND LIPID METABOLISM.** Romos DR, Belo PS, Leveille GA *Fed Proc* 34: 2186-90, Nov 75 (Eng) \*DL/76AUG683
- EFFECT OF POLYCHLORINATED BIPHENYLS AND THIAMIN DEFICIENCY ON LIVER METABOLISM IN GROWING RATS.** Berdiner CD, Tobin RB, Nielsen RC, Mehman MA, Veech RL *J Toxicol Environ Health* 1: 91-105, Sep 75 (Eng) \*DL/76AUG732
- AN APPROACH TO THE OBES ADOLESCENT.** Barnes HV, Berger R *Med Clin North Am* 59: 1507-16, Nov 75 (Eng) \*DL/76AUG741
- THE EFFECT OF DIETARY SUCROSE AND DIFFERENT DIETARY FATS ON HYPERLIPIDAEMIA AND ATHEROSCLEROSIS IN WHITE LEGHORN COCKERELS (GALLUS DOMESTICUS).** Worcester NA, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 82a-83a, Sep 75 (Eng) \*DL/76AUG773
- SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION.** Thorogood M, Mann JJ *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774
- RESISTANCE TO SLIMMING: ADIPOSE TISSUE CELLULARITY STUDIES.** Ashwell M, Priest P, Bondoux M, Garrow JS *Proc Nutr Soc* 34: 85a-86a, Sep 75 (Eng) \*DL/76AUG775
- THE RATES OF TISSUE PROTEIN SYNTHESIS IN VIVO IN HYPOPHYSCECTOMIZED AND PAIR-FED CONTROL RATS.** Millward DJ, Nnanyelugo DO, Chatterjee AK *Proc Nutr Soc* 34: 95a-96a, Sep 75 (Eng) \*DL/76AUG776
- ROLE OF SUGAR IN MODERN NUTRITION.** Stare FJ *World Rev Nutr Diet* 22: 239-47, 1975 (Eng) [9] \*DL/76AUG862
- SUGAR AND CARDIOVASCULAR DISEASE.** Grande F *World Rev Nutr Diet* 22: 248-69, 1975 (Eng) [94] \*DL/76AUG863
- OBESITY.** Danowski TS, Nolan S, Stephan T *World Rev Nutr Diet* 22: 270-9, 1975 (Eng) [18] \*DL/76AUG864
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- IN VIVO CHEMOTAXIS OF RAT LEUKOCYTES IN THE PRESENCE OF CIRCULATING CHYLOMICRONS.** Perper RJ, Oronsky AL, Sanda M, Stecher VJ *Atherosclerosis* 22: 257-69, Sep-Oct 75 (Eng) \*DL/76AUG923
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- [NUTRITION OF THE DIABETIC CHILD IN THE HOSPITAL AND AT HOME.]** Cotencescu A *Viata Med [Medii Sanit]* 23: 4, Apr 75 (Rum) DL/76AUG359
- [THERAPY OF DIABETES MELLITUS TODAY]** Seige K, Ulrich E *Z Gesamte Inn Med* 30: 37-42, May 75 (Ger) DL/76AUG385
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- ADVANTAGES AND DISADVANTAGES OF PARENTERAL HYPERALIMENTATION.** PP. 130-6. Goschke H, Leutenegger A In: Ahnefeld FW, et al., ed. *Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [21] DL/76AUG155
- GUIDELINES FOR THE DOSAGE AND APPLICATION OF THE INTRAVENOUS PROVISION OF NUTRIENT SUBSTANCES IN PATIENTS WITH RENAL FAILURE.** PP. 160-6. Kuhl J, Heidland A In: Ahnefeld FW, et al., ed. *Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [10] DL/76AUG156
- BENEFITS OF DIETARY FRUCTOSE IN ALLEVIATING THE HUMAN STRESS RESPONSE.** PP. 54-72. Palm JD In: Jeunes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) DL/76AUG170
- FACTORS INFLUENCING ADIPOSE TISSUE RESPONSE TO FOOD CARBOHYDRATES.** PP. 46-53. Romos DR, Leveille GA In: Jeunes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [21] DL/76AUG172
- METABOLIC EFFECTS OF DIETARY CARBOHYDRATES--A REVIEW.** PP. 20-45. Reiser S In: Jeunes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [106] DL/76AUG173
- PHYSIOLOGICAL EFFECTS OF MANNANS, GALACTOMANNANS, AND GLUCOMANNANS.** PP. 296-311. Davis SE, Lewis BA In: Jeunes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [103] DL/76AUG175
- AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD.** Uete T, Shimano N, Shimizu S, Morikawa M *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241
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- EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED INTESTINAL EPITHELIAL CELLS OF THE CHICK.** Raheja KL, Tepperman J, Tepperman HM *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548
- LETTER: FOOD: INFLUENCE OF FORM ON ABSORPTION.** Leeds AR, Gassull MA, Metz GL, Jenkins DJ *Lancet* 2: 1213, 13 Dec 75 (Eng) \*DL/76AUG570
- [THE IMPORTANCE OF THE CARBOHYDRATE PORTION IN A SYNTHETIC DIET]** Forster H, Heller G, Fortmeyer HP *Infusionstherapie* 2: 327-36, Oct 75 (Ger) \*DL/76AUG702
- SOME EFFECTS OF AN ORAL CONTRACEPTIVE ON DIETARY CARBOHYDRATE-LIPID INTERRELATIONS IN THE BABOON.** Stovin V, Macdonald I *Proc Nutr Soc* 34: 55a-56a, Sep 75 (Eng) \*DL/76AUG768
- THE SYNERGISTIC EFFECT OF DIETARY CARBOHYDRATES ON THE PASSAGE OF AMINO ACIDS TO THE SMALL INTESTINE OF THE SHEEP.** Offer NW, Evans RA, Axford RF *Proc Nutr Soc* 34: 67a-68a, Sep 75 (Eng) \*DL/76AUG770
- VARIATIONS IN THE COMPOSITION OF BLOOD AND URINE FOLLOWING THE INGESTION OF A HIGH-PROTEIN DIET.** Heeley DM, Sharman IM, Cooper DF *Proc Nutr Soc* 34: 69a, Sep 75 (Eng) \*DL/76AUG771
- THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION.** Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772
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- EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS.** Reiser S, Michaelis OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777
- EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS.** Waterman RA, Romos DR, Tsai AC, Miller ER, Leveille GA *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779
- ROLE OF SUGAR IN MODERN NUTRITION.** Stare FJ *World Rev Nutr Diet* 22: 239-47, 1975 (Eng) [9] \*DL/76AUG862
- SUGAR AND CARDIOVASCULAR DISEASE.** Grande F *World Rev Nutr Diet* 22: 248-69, 1975 (Eng) [94] \*DL/76AUG863
- OBESITY.** Danowski TS, Nolan S, Stephan T *World Rev Nutr Diet* 22: 270-9, 1975 (Eng) [18] \*DL/76AUG864
- LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES; USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS.** Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879
- [PROCEEDINGS: EFFECT OF OESTROGENS AND DIET ON LIPIDS IN THE PLASMA OF CASTRATED RATS OF BOTH SEXES (AUTHORS TRANSL.)]** Pottier C, Lederer J *Ann Endocrinol (Paris)* 36: 115-6, Mar-Apr 75 (Fre) \*DL/76AUG893
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- PREVENTION OF CORONARY HEART DISEASE.** Anonymous *Br Med J* 1: 881-2, 10 Apr 76 (Eng) DL/76AUG21
- PURIFICATION AND PHYSIOLOGICAL ROLE OF A PEPTIDE STABILIZING FACTOR OF RAT LIVER PHOSPHOFRUCTOKINASE.** Dunaway GA, Segal HL *J Biol Chem* 251: 2323-9, 25 Apr 76 (Eng) DL/76AUG133
- INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET.** Ginsberg H, Olefsky JM, Kimmerling G, Crapo P, Reaven GM *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145
- ADVANTAGES AND DISADVANTAGES OF PARENTERAL HYPERALIMENTATION.** PP. 130-6. Goschke H, Leutenegger A *Inf Abnefeld FW, et al., ed. Parenteral nutrition.* Berlin, Springer, 1976. WB 410 143 1974. (Eng) [21] DL/76AUG155
- FACTORS INFLUENCING ADIPOSE TISSUE RESPONSE TO FOOD CARBOHYDRATES.** PP. 46-53. Romsos DR, Leveille GA *Inf Abnefeld FW, et al., ed. Parenteral nutrition.* Berlin, Springer, 1976. WB 410 143 1974. (Eng) [21] DL/76AUG172
- METABOLIC EFFECTS OF DIETARY CARBOHYDRATES--A REVIEW.** PP. 20-45. Reiser S *Inf Abnefeld FW, et al., ed. Parenteral nutrition.* Berlin, Springer, 1976. WB 410 143 1974. (Eng) [21] DL/76AUG173
- COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA.** Bonkowski HL, Magnusson CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243
- TOTAL PARENTERAL NUTRITION IN INFANTS AND CHILDREN: CENTRAL AND PERIPHERAL APPROACHES.** Filler RM, Coran AG *Surg Clin North Am* 56: 395-412, Apr 76 (Eng) DL/76AUG346
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- CAROTENEMIC, SKIN COLOUR AND DIABETES MELLITUS.** Hoerer E, Dreyfuss F, Herzberg M *Acta Diabetol Lat* 12: 202-7, May-Aug 75 (Eng) DL/76AUG402
- INFLUENCE OF CHOLESTEROL FEEDING ON LIVER MICROSOMAL METABOLISM OF STEROIDS AND BILE ACIDS IN CONVENTIONAL AND GERM-FREE RATS.** Gustafsson BE, Einarsson K, Gustafsson J *J Biol Chem* 250: 8496-502, 10 Nov 75 (Eng) \*DL/76AUG529
- DIETARY REGULATION OF SERUM LIPIDS IN HEALTHY, YOUNG ADULTS.** Hill P, Wynder EL *J Am Diet Assoc* 68: 25-30, Jan 76 (Eng) \*DL/76AUG545
- EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED INTESTINAL EPITHELIAL CELLS OF THE CHICK.** Raheja KL, Tepperman J, Tepperman HM *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548
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- DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET.** Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689
- PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANSLOCATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY.** Haeflner EW, Privett OS, Hoppe Seylers Z *Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692
- CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR.** Persson B, Demissie H, Sterky G *Infusions Therapie* 2 suppl 3: 34-6, 1975 (Eng) \*DL/76AUG703
- [RETICULOENDOTHELIAL SYSTEM, LIPID METABOLISM AND ATHEROSCLEROSIS]** Vinogradov AG, Denisenko AD *Patol Fiziol Eksp Ter* 3-12, Mar-Apr 75 (Rus) [138] \*DL/76AUG756
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- SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION.** Thorogood M, Mann JI *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774
- EFFECTS OF DIETARY ERUCIC AND LINOLEIC ACID ON MYOCARDIAL FUNCTION IN RATS.** ten Hoor F, van de Graaf HM, Vergroesen AJ *Recent Adv Stud Cardiac Struct Metab* 3: 59-72, 1973 (Eng) \*DL/76AUG807
- OBESITY.** Danowski TS, Nolan S, Stephan T *World Rev Nutr Diet* 22: 270-9, 1975 (Eng) [18] \*DL/76AUG864
- LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES: USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS.** Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879
- EFFECTS OF DIET AND COLD ACCLIMATION ON LIPID COMPOSITION OF RAT INTERSCAPULAR BROWN ADIPOSE TISSUE.** Senault C, Hlusko MT, Portet R *Ann Nutr Aliment* 29: 67-77, 1975 (Eng) \*DL/76AUG891
- [PROCEEDINGS: EFFECT OF OESTROGENS AND DIET ON LIPIDS IN THE PLASMA OF CASTRATED RATS OF BOTH SEXES (AUTHORS TRANSL.)]** Pottier C, Lederer J *Ann Endocrinol (Paris)* 36: 115-6, Mar-Apr 75 (Fre) \*DL/76AUG893
- OSCILLATORY STATES OF MITOCHONDRIA. INFLUENCE OF UNSATURATED FATTY ACID COMPOSITION.** Williams MA, Katayre S, Packer L *Arch Biochem Biophys* 170: 353-9, Oct 75 (Eng) \*DL/76AUG895
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**EDITORIAL: INSULIN INFUSION IN KETOACIDOSIS.** Anonymous *Med J Aust* 1: 2-3, 3-10 Jan 76 (Eng) DL/76AUG250

**[HYPEROSMOLAR COMA]** Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 395-404, 26 Mar 76 (Ger) DL/76AUG258

**LETTER: TREATMENT OF DIABETIC KETOACIDOSIS.** Anonymous *N Engl J Med* 294: 1183-4, 20 May 76 (Eng) DL/76AUG263

**FATAL FULMINANT DIABETES MELLITUS.** Jewett JF *N Engl J Med* 294: 1289-90, 3 Jun 76 (Eng) DL/76AUG269

**LETTER: MANAGEMENT OF KETOACIDOSIS IN CHILDREN.** Amato RS *N Engl J Med* 294: 1405-6, 17 Jun 76 (Eng) DL/76AUG270

**[MONOCOMPONENT INSULIN]** Reitsma WD *Ned Tijdschr Geneesk* 120: 760-2, 24 Apr 76 (Dut) DL/76AUG274

**[ATTEMPT AT TREATING DIABETIC KETOACIDOSIS WITH SMALL DOSES OF INSULIN]** Dudzinski W *Pol Tyg Lek* 31: 377-8, 1 Mar 76 (Pol) DL/76AUG303

**PEDIATRICS: OFFICE MANAGEMENT OF DIABETES MELLITUS IN CHILDREN.** Chase HP *Postgrad Med* 59: 243-53, May 76 (Eng) DL/76AUG313

**CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES.** Vinik AL, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

**[THERAPY OF DIABETES MELLITUS TODAY]** Seige K, Ulrich E *Z Gesamte Inn Med* 30: 37-42, May 75 (Ger) DL/76AUG385

**A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS.** Harano Y, Shimizu Y, Yoshida M, Tani N, Kim CI *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399

**REMISSION OF DIABETES MELLITUS DURING PREGNANCY.** Gabbe SG, Dizerega GS, Mestman JH *Am J Obstet Gynecol* 125: 264-5, 15 May 76 (Eng) DL/76AUG432

**GLYCEROL AND HYPEROSMOLAR NON-KETOTIC COMA.** Oakley DE, Ellis PP *Am J Ophthalmol* 81: 469-72, Apr 76 (Eng) DL/76AUG435

**[A FURTHER CASE OF MALIGNANT HYPERTENSIVE AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IPROVERATRIL) (AUTHORS TRANSL.)]** Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446

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**PROCEEDINGS: THE EFFECTS OF CYPROHEPTADINE PRETREATMENT ON INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS.** Richardson BP, Berde B *Br J Pharmacol* 56: 356p-357p, Mar 76 (Eng) DL/76AUG11

**INOTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM.** Hildner FJ, Yeh BK, Javier RP, Fester A, Samet P *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31

**[COOPERATIVE BINDING OF TOLBUTAMIDE BY ISOLATED RAT ISLETS OF LANGERHANS]** Alric R, Manteghetti M, Puech R, Lignon F, Loubatieres A *C R Acad Sci [D] (Paris)* 281: 2029-32, 22 Dec 75 (Fre) DL/76AUG38

**UPDATING DIABETES MELLITUS. INTRODUCTION.** Anonymous *Compr Ther* 1: 11-4, May 75 (Eng) DL/76AUG49

**THE TOLBUTAMIDE CONTROVERSY.** Anonymous *Compr Ther* 1: 19-20, May 75 (Eng) DL/76AUG51

**CLINICAL EVALUATION OF A NEW SULFONYLUREA IN MATURITY ONSET DIABETES - GLIPIZIDE (K-4024).** Bandiside MS, Boshell BR *Horm Metab Res* 8: 89-91, Mar 76 (Eng) DL/76AUG114

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**HYPOGLYCAEMIC ACTION OF BENGALONOSIDE, A GLUCOSIDE ISOLATED FROM FICUS BENGALENSIS LINN. IN NORMAL AND ALLOXAN DIABETIC RABBITS.** Augusti KT *Indian J Physiol Pharmacol* 19: 218-20, Oct-Dec 75 (Eng) DL/76AUG121

**CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH.** Costin G, Kogut MD, Phillips LS, Daughaday WH *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG142

**COMPARISON OF DAILY BLOOD SUGAR PROFILES IN DIABETICS UNDER TREATMENT WITH DIFFERENT ORAL ANTIDIABETIC DRUGS.** PP. 299-303, Stratmann FW *Ino Scheving LE, et al., ed. Chronobiology.* Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG187

**TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT.** Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189

**[FUNCTION TESTS FOR CARBOHYDRATE METABOLISM IN CLINICAL AND MEDICAL PRACTICE. BASIC PRINCIPLES, TECHNIQUE AND VALUE]** Kattermann R, Kobberling J *Med Welt* 26: 2293-9, 19 Dec 75 (Ger) DL/76AUG238

**[EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL.)]** Sailer R, Katoh E, Druneklee D, Kovacicsek S, Berger M *Munch Med Wochenschr* 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

**POTENTIATION OF HYPOGLYCEMIC RESPONSE TO INTRAVENOUS TOLBUTAMIDE BY CLOFIBRATE.** Ferrari C, Frezzati S, Testori GP, Bertazzoni A *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG265

### 1.F.9.4.3 OTHER SULFONYL-UREA DERIVATIVES

**[COMBINED CLOFIBRATE-CHLORPROPAMIDE THERAPY IN DIABETES INSIPIDUS COMPLICATED WITH DIABETES MELLITUS]** Czako L, Laszlo FA, Kahan-Laszlo I *Endokrinologie* 65: 364-74, 1975 (Ger) DL/76AUG82

**[INFLUENCE OF CHLORPROPAMIDE ON THE EXCRETION OF ELECTROLYTES IN DIABETES INSIPIDUS]** Peci-Popovic E, Janjic M, Kicic M *Glas Srp Akad Nauka [Med]* 77-84, 1975 (Ser) DL/76AUG104

**CLINICAL EVALUATION OF A NEW SULFONYLUREA IN MATURITY ONSET DIABETES - GLIPIZIDE (K-4024).** Bandiside MS, Boshell BR *Horm Metab Res* 8: 89-91, Mar 76 (Eng) DL/76AUG114

**HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS.** Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

**COMPARISON OF DAILY BLOOD SUGAR PROFILES IN DIABETICS UNDER TREATMENT WITH DIFFERENT ORAL ANTIDIABETIC DRUGS.** PP. 299-303, Stratmann FW *Ino Scheving LE, et al., ed. Chronobiology.* Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG187



## Diabetes Literature—Hierarchical Index

### 1.F DIABETES

- COMPARATIVE STUDY OF GLIBENCLAMIDE & CHLORPROPAMIDE IN NEWLY DIAGNOSED MATURITY ONSET DIABETICS.** Haider Z, Obaidullah S, Fayyaz-ud-Din *JPMa* 26: 23-6, Feb 76 (Eng) DL/76AUG210
- LETTER: AETIOLOGY OF HYPONATREMIA.** Phillips PJ, Pain RW *Med J Aust* 1: 132, 31 Jan 76 (Eng) DL/76AUG251
- SEVERE HYPONATRAEMIA IN DIABETIC PATIENTS TREATED WITH CHLORPROPAMIDE OR PHENFORMINE.** de Troyer A, Devis G, Demanet JC *Acta Clin Belg* 30: 108-14, 1975 (Eng) DL/76AUG398
- FAILURE OF ERGOTAMINE TO ACT AS AN AMPLIFIER OF SULFONYLUREA-STIMULATED INSULIN SECRETION.** Sirek A, Sirek OV, Policova Z *Acta Diabetol Lat* 12: 199-201, May-Aug 75 (Eng) DL/76AUG401
- 1.F.9.4.4 PHENFORMIN**
- LETTER: PHENFORMIN AND LACTIC ACIDOSIS.** Edwards JC *Br Med J* 1: 584, 6 Mar 76 (Eng) DL/76AUG15
- THE TOLBUTAMIDE CONTROVERSY.** Anonymous *Compr Ther* 1: 19-20, May 75 (Eng) DL/76AUG51
- CLINICAL EVALUATION OF A NEW SULFONYLUREA IN MATURITY ONSET DIABETES - GLIPIZIDE (K-4024).** Bandisod MS, Boshell BR *Horm Metab Res* 8: 89-91, Mar 76 (Eng) DL/76AUG114
- HYPOLYCAEMIC EFFECTS OF ONION, ALLIUM CEPA LINN. ON DIABETES MELLITUS - A PRELIMINARY REPORT.** Mathew PT, Augustine KT *Indian J Physiol Pharmacol* 19: 213-7, Oct-Dec 75 (Eng) DL/76AUG120
- [TREATMENT OF PRIMARY HYPERLIPOPROTEINEMIAS TYPE IV WITH DIFFERENT BIGUANIDES (AUTHORS TRANSL.)]** Weisweiler P, Schwandt P *Klin Wochenschr* 54: 283-5, 15 Mar 76 (Ger) DL/76AUG216
- [LACTIC ACIDOSIS INDUCED BY BIGUANIDES]** Assan R, Heuclin C, Girard JR, Attali JR *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297
- SEVERE HYPONATRAEMIA IN DIABETIC PATIENTS TREATED WITH CHLORPROPAMIDE OR PHENFORMINE.** de Troyer A, Devis G, Demanet JC *Acta Clin Belg* 30: 108-14, 1975 (Eng) DL/76AUG398
- 1.F.9.4.5 OTHER BIGUANIDES**
- COMPARISON OF DAILY BLOOD SUGAR PROFILES IN DIABETICS UNDER TREATMENT WITH DIFFERENT ORAL ANTIDIABETIC DRUGS.** Stratmann FW *In0 Scheving LE, et al., ed. Chronobiology.* Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG187
- [TREATMENT OF PRIMARY HYPERLIPOPROTEINEMIAS TYPE IV WITH DIFFERENT BIGUANIDES (AUTHORS TRANSL.)]** Weisweiler P, Schwandt P *Klin Wochenschr* 54: 283-5, 15 Mar 76 (Ger) DL/76AUG216
- [LACTIC ACIDOSIS INDUCED BY BIGUANIDES]** Assan R, Heuclin C, Girard JR, Attali JR *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297
- [LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN]** Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298
- 1.F.9.5 DIABETES DRUG THERAPY**
- ENDOCRINE AND METABOLIC DISEASES. MODERN APPROACH TO DIABETES MELLITUS-II.** Stowers JM *Br Med J* 1: 573-4, 6 Mar 76 (Eng) DL/76AUG14
- HAZARDS OF MONOCOMPONENT INSULINS.** Logie AW, Stowers JM *Br Med J* 1: 879-80, 10 Apr 76 (Eng) DL/76AUG20
- THE TOLBUTAMIDE CONTROVERSY.** Anonymous *Compr Ther* 1: 19-20, May 75 (Eng) DL/76AUG51
- [SEX DIFFERENCES IN CARDIOVASCULAR MORTALITY OF DIABETICS]** Heyden S *Dtsch Med Wochenschr* 101: 789-93, 14 May 76 (Ger) DL/76AUG63
- CLINICAL EVALUATION OF A NEW SULFONYLUREA IN MATURITY ONSET DIABETES - GLIPIZIDE (K-4024).** Bandisod MS, Boshell BR *Horm Metab Res* 8: 89-91, Mar 76 (Eng) DL/76AUG114
- AN IMPROVED CONTROL ALGORITHM FOR AN ARTIFICIAL BETA-CELL.** Botz CK *IEEE Trans Biomed Eng* 23: 252-5, May 76 (Eng) DL/76AUG117
- COMPARISON OF DAILY BLOOD SUGAR PROFILES IN DIABETICS UNDER TREATMENT WITH DIFFERENT ORAL ANTIDIABETIC DRUGS.** Stratmann FW *In0 Scheving LE, et al., ed. Chronobiology.* Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG187
- COMPARATIVE STUDY OF GLIBENCLAMIDE & CHLORPROPAMIDE IN NEWLY DIAGNOSED MATURITY ONSET DIABETICS.** Haider Z, Obaidullah S, Fayyaz-ud-Din *JPMa* 26: 23-6, Feb 76 (Eng) DL/76AUG210
- [SOMATOSTATIN AND SOMATOMEDINS--NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY]** Efendic S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227
- EFFECT OF FRACTIONATED INSULINS ON TOTAL PLASMA INSULIN BINDING CAPACITY AND INSULIN REQUIREMENTS IN SEVERE DIABETES.** Oakley NW *Lancet* 1: 994-6, 8 May 76 (Eng) DL/76AUG233
- LETTER: HIGHLY PURIFIED INSULINS.** Anonymous *Lancet* 1: 1133-4, 22 May 76 (Eng) DL/76AUG235
- FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY.** Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244
- POTENTIATION OF HYPOLYCEMIC RESPONSE TO INTRAVENOUS TOLBUTAMIDE BY CLOFIBRATE.** Ferrari C, Frezzati S, Testori GP, Bertazzoni A *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG265
- [MONOCOMPONENT INSULIN]** Reitsma WD *Ned Tijdschr Geneesk* 120: 760-2, 24 Apr 76 (Dut) DL/76AUG274
- [LACTIC ACIDOSIS INDUCED BY BIGUANIDES]** Assan R, Heuclin C, Girard JR, Attali JR *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297
- [LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN]** Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298
- LETTER: UNIVERSITY GROUP DIABETES PROGRAM.** Granovetter B *Postgrad Med* 59: 24, Apr 76 (Eng) DL/76AUG311
- PEDIATRICS: OFFICE MANAGEMENT OF DIABETES MELLITUS IN CHILDREN.** Chase HP *Postgrad Med* 59: 243-53, May 76 (Eng) DL/76AUG313
- CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES.** Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345
- [DIABETES THERAPY WITH A NEW ANTIDIABETIC PRO-DIABAN]** Dols W *Ther Ggw* 115: 428-36, Mar 76 (Ger) DL/76AUG351
- SEVERE HYPONATRAEMIA IN DIABETIC PATIENTS TREATED WITH CHLORPROPAMIDE OR PHENFORMINE.** de Troyer A, Devis G, Demanet JC *Acta Clin Belg* 30: 108-14, 1975 (Eng) DL/76AUG398
- A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS.** Harano Y, Shimizu Y, Yoshida M, Dtani N, Kim CI *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399
- 1.F.9.6 DIABETES THERAPY**
- [WORKING DIABETICS AND THEIR ACTIVITY IN THE THERAPEUTIC PROCESS (AUTHORS TRANSL.)]** Dub O, Brozek I, Nykodym P *Cas Lek Cesk* 115: 330-4, 19 Mar 76 (Cze) DL/76AUG27
- DIABETES MELLITUS IN PREGNANCY.** White P *Clin Perinatol* 1: 331-47, Sep 74 (Eng) [38] DL/76AUG47
- UPDATING DIABETES MELLITUS. INTRODUCTION.** Anonymous *Compr Ther* 1: 11-4, May 75 (Eng) DL/76AUG49
- DIABETES MELLITUS: A COMMON PROBLEM IN ADULTS.** Rubenstein AH *Compr Ther* 1: 15-8, May 75 (Eng) DL/76AUG50
- SEVERE DIABETES: CURRENT KNOWLEDGE AS A BASIS FOR BETTER TREATMENT.** Molnar GD *Compr Ther* 1: 21-4, May 75 (Eng) DL/76AUG52
- ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION.** Charles MA, Imagawa W, Forsham PH, Grodsky GM *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70
- [DIABETES THERAPY--CONCLUSION. SEQUEL 3: THERAPEUTIC FAILURES, COUNTERINDICATIONS OF DRUG THERAPY, SIDE-EFFECTS, THERAPY OF DISEASES AND SPECIAL CONDITIONS, THERAPY OF SIDE-EFFECTS]** Forster H *Fortschr Med* 93: 1253-5, 25 Sep 75 (Ger) DL/76AUG108
- ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION.** Federlin K, Slijepcevic M, Helmke K *Horm Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116
- DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS** Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201
- ADVANCES IN DIABETES.** Henry WL *J Natl Med Assoc* 68: 145-7, Mar 76 (Eng) DL/76AUG204
- ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES.** Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220



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### 1.F DIABETES

[LONG-TERM CARE OF DIABETIC CHILDREN] Weber B *Monatsschr Kinderheilkd* 124: 185-8, Apr 76 (Ger) DL/76AUG255

A GUIDE FOR PATIENTS: THE CARE OF DIABETES DURING ILLNESS. West TE *Nurs Mirror* 142: 53-4, 22 Apr 76 (Eng) DL/76AUG301

PEDIATRICS: OFFICE MANAGEMENT OF DIABETES MELLITUS IN CHILDREN. Chase HP *Postgrad Med* 59: 243-53, May 76 (Eng) DL/76AUG313

[THERAPY OF DIABETES MELLITUS TODAY] Seige K, Ulrich E *Z Gesamte Inn Med* 30: 37-42, May 75 (Ger) DL/76AUG385

METABOLIC ABNORMALITIES CONTRIBUTING TO DIABETIC COMPLICATIONS. II. PERIPHERAL NERVES. Anderson JW *Am J Clin Nutr* 29: 402-8, Apr 76 (Eng) [67] DL/76AUG427

#### 1.F.9.7 DIABETES, RADIOGRAPHY

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CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETERO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

UPDATING DIABETES MELLITUS. INTRODUCTION. Anonymous *Compr Ther* 1: 11-4, May 75 (Eng) DL/76AUG49

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ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION. Federlin K, Slijepcevic M, Helmke K *Horm Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116

RAT ADIPOSE TISSUE GLYCOGEN SYNTHASE. EVIDENCE FOR MULTIPLE DISCRETE KINETIC SPECIES AND THEIR INTERCONVERSION. Eichner RD *J Biol Chem* 251: 2316-22, 25 Apr 76 (Eng) DL/76AUG132

METABOLISM AND PHYSIOLOGICAL EFFECTS OF THE POLYOLS (ALDITOLS). PP. 123-34. Touster O In: Jeanes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [43] DL/76AUG174

[TREATMENT OF HYPERTONUS IN DIABETES MELLITUS] Wedler B, Wustenberg PW, Naumann G *Z Gesamte Inn Med* 30: 437-42, 1 Jul 75 (Ger) DL/76AUG380

[AN ADVERSE GLYCEMIC EFFECT IN PATIENTS AS A RESULT OF TREATMENT WITH NEUROLEPTICS] Tverdova EB *Zh*

*Neuropatol Psikhiatr* 76: 450-2, 1976 (Rus) DL/76AUG395

#### 1.F.10.2 ALLOXAN DIABETES

A STUDY OF SUBCUTANEOUS STAPHYLOCOCCAL INFECTION IN ALLOXAN DIABETIC MICE. Sood U, Agarwal DS, Aurora AL *Indian J Med Res* 63: 1564-76, Nov 75 (Eng) DL/76AUG118

CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS. Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357

LESIONS OF THE LEGS IN DIABETICS AND IN PATIENTS WITH FAMILIAL AMYLOIDOSIS AND POLYNEUROPATHY. Lithner F *Acta Med Scand [Suppl]* 1-23, 1976 (Eng) DL/76AUG421

##### 1.F.10.2.1 ALLOXAN DIABETES, BLOOD

HYPOGLYCAEMIC EFFECTS OF UNION, ALLIUM CEPA LINN. ON DIABETES MELLITUS - A PRELIMINARY REPORT. Mathew PT, Augusti KT *Indian J Physiol Pharmacol* 19: 213-7, Oct-Dec 75 (Eng) DL/76AUG120

HYPOGLYCAEMIC ACTION OF BENGALENSIDE, A GLUCOSIDE ISOLATED FROM FICUS BENGALENSIS LINN. IN NORMAL AND ALLOXAN DIABETIC RABBITS. Augusti KT *Indian J Physiol Pharmacol* 19: 218-20, Oct-Dec 75 (Eng) DL/76AUG121

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EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS. Laszlo FA, Durszt F, Varga P, Czako L *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77

CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD. Kimura K, Kamiyama Y, Ozawa K, Honjo I *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100

[DIABETES MELLITUS AND CONTROL OF PROTEIN BIOSYNTHESIS IN RAT LIVER (AUTHORS TRANSL)] Tragl KH *Wien Klin Wochenschr* 87: 349-61, 30 May 75 (Ger) [50] DL/76AUG376

[THE ACTION OF INSULIN ON RIBONUCLEIC ACID METABOLISM (AUTHORS TRANSL)] Tragl KH *Wien Klin Wochenschr* 87: 361-3, 30 May 75 (Ger) DL/76AUG377

STUDIES ON GLUCONEOGENESIS AND STIMULATION OF GLYCOGEN AND PROTEIN SYNTHESIS IN ISOLATED HEPATOCYTES IN ALLOXAN DIABETIC, NORMAL FED AND FASTED ANIMALS. Wagle SR, Ingebrechtsen WR, Sampson L *Acta Diabetol Lat* 12: 185-98, May-Aug 75 (Eng) DL/76AUG400

METABOLISM AND ULTRASTRUCTURE IN OVARIES OF ALLOXAN-DIABETIC JUVENILE RATS. Stahler E, Neumann HO, Niethammer KM *Arch Gynaecol* 220: 199-208, 5 Mar 76 (Eng) DL/76AUG461

ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOX-

IC INTERMEDIATE. Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

##### 1.F.10.2.5 ALLOXAN DIABETES, PATHOLOGY

ULTRASTRUCTURE OF THE CAPILLARIES OF THE REPRODUCTIVE SYSTEM IN FEMALE RABBITS WITH ALLOXAN DIABETES. Liebhart M, Szamborski J *Pol Med Sci Hist Bull* 15: 133-7, Mar-Apr 75 (Eng) DL/76AUG304

[LIVER AND DIABETES MELLITUS] Genes SG *Ter Arkh* 48: 119-28, 1976 (Rus) DL/76AUG350

[ULTRASTRUCTURE OF THE STRIA VASCULARIS OF THE COCHLEA IN ALLOXAN DIABETES] Kozlov Mla, Onegova RF, Petrov VS, Sokoloverova IM *Zh Ushn Nos Gort Bolezn* 36-40, Mar-Apr 76 (Rus) DL/76AUG393

METABOLISM AND ULTRASTRUCTURE IN OVARIES OF ALLOXAN-DIABETIC JUVENILE RATS. Stahler E, Neumann HO, Niethammer KM *Arch Gynaecol* 220: 199-208, 5 Mar 76 (Eng) DL/76AUG461

ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE. Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

##### 1.F.10.2.6 ALLOXAN DIABETES, PHYSIOPATHOLOGY

#### 1.F.11 DIABETES, VETERINARY

#### 1.F.12 DIABETES, HISTORY

## SECTION 2. ENDOCRINOLOGY AND RELATED TOPICS

### 2.A ENDOCRINE PANCREAS

#### 2.A.1 ISLETS (SEE SEC. 1.A)

#### 2.A.2 INSULIN (SEE SEC. 1.C)

#### 2.A.3 GLUCAGON (SEE SEC. 1.D)

### 2.B ADRENAL GLANDS

[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE] Frowein J, Petersen KG *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS. Kochakian CD *Pharmacol Ther* [B] 1: 149-77, 1975 (Eng) [442] DL/76AUG324

TRANSPLANTABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS. Stekar J Z *Krebsforsch* 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390

ROLE OF ADRENALS IN THE VITAMIN A-MEDIATED INCREASE IN THE ACTIVITIES OF GLUCONEOGENIC ENZYMES OF RAT LIVER. Singh M, Ningh VN, Venkatasubramanian TA *Life Sci* 17: 859-65, 15 Sep 75 (Eng) \*DL/76AUG573

[EXPERIMENTAL STUDY OF MANGANESE CHLORIDE TOXICITY] Pashinskii VG, Tuzlukov AP, Rassokhin VM, Arefeva AK, Sedova KS *Farmakol Toksikol* 38: 618-20, Sep-Oct 75 (Rus) \*DL/76AUG680

THEORETICAL REVIEW: A MODEL OF HORMONES AND AGONISTIC BEHAVIOR. Leshner AI *Physiol Behav* 15: 225-35, Aug 75 (Eng) \*DL/76AUG785

#### 2.B.1 ADRENAL CORTEX

#### 2.B.2 ADRENAL CORTEX HORMONES

REDUCTION IN MYOCARDIAL INFARCT SIZE: PREVENTION OF HEART CELL DEATH. Kones RJ, Phillips JH *South Med J* 69: 442-8, Apr 76 (Eng) DL/76AUG342

EFFECTS OF INSULIN HYPOGLYCAEMIA IN THE SHEEP ON JUGULAR HAEMATOCRIT AND PLASMA CORTICOSTEROID CONCENTRATIONS. Dooley PC, Williams VJ *Aust J Biol Sci* 28: 503-9, Dec 75 (Eng) DL/76AUG466

STANDARD SERUM CHEMICAL AND HAEMATOLOGICAL VALUES IN THE CHACMA BABOON (PAPIO URINUS). Steyn DG, Hamilton-Bruce RJ, Zuurmond TJ, Pharo RJS *J Afr Vet Assoc* 46: 191-6, Jun 75 (Eng) \*DL/76AUG555

#### 2.B.2.1 GLUCOCORTICOIDS

TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOHYPHYSAL CELLS. PP. 287-98. Horvath E, Kovacs K, Stratmann IE, Ezrin C In *Hess M, ed. Electron microscopic concepts of secretion*. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG165

ENZYMES OF GLYCOGEN METABOLISM AND THEIR CONTROL. PP. 235-43. Segal HL In *Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [111] DL/76AUG171

NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakor P *Prog Food Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330

COUNTERACTION OF GLUCOCORTICOID-INDUCED HYPERGLYCAEMIA BY HYPOGLYCIN. Kean EA, Walters P *West Indian Med J* 24: 206-9, Dec 75 (Eng) DL/76AUG372

#### 2.B.2.1.1 CORTISONE

HISTORY OF THE TREATMENT OF RHEUMATOID ARTHRITIS. Hart FD *Br Med J* 1: 763-5, 27 Mar 76 (Eng) DL/76AUG17

HORMONAL CONTROL OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY DURING DEVELOPMENT OF THE RAT. Hauser CA, Bailey E *Enzyme* 21: 115-26, 1976 (Eng) DL/76AUG83

FINE STRUCTURE OF PANCREAS IN CORTISONE-TREATED GUINEA PIGS AND RABBITS. Wellmann KF, Volk BW *Arch Pathol Lab Med* 100: 334-8, Jun 76 (Eng) DL/76AUG462

INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES. Lacko L, Wittke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

#### 2.B.2.1.2 HYDROCORTISONE

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G *Jr Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112

FACTORS INFLUENCING BONE FORMATION IN ORGAN CULTURE. Raisz LG, Dietrich JW, Canalis EM *Isr J Med Sci* 12: 108-14, Feb 76 (Eng) DL/76AUG130

EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES. PP. 129-47. McCarty KS Jr, McCarty KS Sr In *Hess M, ed. Electron microscopic concepts of secretion*. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG164

GLUCONEOGENESIS IN THE NEONATAL RAT: THE METABOLISM AND DISPOSITION OF ALANINE DURING POSTNATAL DEVELOPMENT. PP. 77-95. Snell K In *Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [49] DL/76AUG168

HORMONAL REGULATION OF ENZYME SYNTHESIS DIFFERENTIATING MAMMALIAN TISSUES. PP. 55-61. Greengard O In *Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [13] DL/76AUG169

[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION] PP. 99-113. Mouriquand J In *Namer M, Lalanne CM, ed. Hormones and breast cancer*. Paris, INSERM, 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183

STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE. PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G In *Namer M, Lalanne CM, ed. Hormones and breast cancer*. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D In *O Scheving LE, et al., ed. Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197

SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN--A REVIEW. Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY] Schaison G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS. Rodan A, Stevens J, Hollander VP *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321

[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH HYPOGLYCEMIA PROVOKED BY INSULIN] Kolebinov NK, Ankov VK, Pavlov DN *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE

## 2.B ADRENAL GLANDS

**HYPOTHALAMO-HYPOPHYSEO-ADRENAL SYSTEM IN OBESITY** Dobrev D, Pavlov D, Stoilov L *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

**[CLINICAL ASPECTS AND THERAPY OF ADDISONS DISEASE]** Schulz F, Retiene K *Anaesthesiol Intensivmed Prax* 9: 139-48, 1974 (Ger) DL/76AUG445

**[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL]** Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

**INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES.** Lacko L, Witteke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

**SOME PROPERTIES OF BECLOMETHASONE DIPROPIONATE AND RELATED STEROIDS IN MAN.** Harris DM *Postgrad Med J* 51 SUPPL 4: 20-5, 1975 (Eng) \*DL/76AUG582

**ROLE OF CORTISOL IN THE RESTITUTION OF BLOOD VOLUME AFTER HEMORRHAGE.** Gann DS, Pirkle JC Jr *Am J Surg* 130: 565-9, Nov 75 (Eng) \*DL/76AUG611

**ACUTE BLOOD BIOCHEMICAL ALTERATIONS IN RESPONSE TO MARATHON RUNNING.** Maron MB, Horvath SM, Wilkerson JE *Eur J Appl Physiol* 34: 173-81, 15 Aug 75 (Eng) \*DL/76AUG672

**THE EFFECT OF ALPHA1-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN.** Caccamo A, Garlaschi C, di Natale B, del Guercio MJ, Chiumello G *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705

**EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN.** Lal S, Tolis G, Martin SB, Brown GM, Guyda H *J Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

**PROPERTIES AND THERAPEUTIC USES OF SOME CORTICOSTEROIDS WITH ENHANCED TOPICAL POTENCY.** Harris DM *J Steroid Biochem* 6: 711-6, May 75 (Eng) \*DL/76AUG736

**GROWTH HORMONE AND CORTISOL SECRETION AFTER ORAL AND INTRAVENOUS ADMINISTRATION OF METHYLDOPA.** Syvalahti E, Seppala PO, Isalo E *Acta Pharmacol Toxicol (Kbh)* 37: 257-64, Sep 75 (Eng) \*DL/76AUG874

**STEROIDOGENIC AND LIPOLYTIC EFFECTS OF CANNABINOLS IN THE RAT AND THE RABBIT.** Maier R, Maitre I *Biochem Pharmacol* 24: 1695-9, 15 Sep 75 (Eng) \*DL/76AUG917

### 2.B.2.1.3 OTHER GLUCOCORTICOIDS

**THERAPEUTIC EXPERIENCE WITH FLUDROCORTISONE IN DIABETIC POSTURAL HYPOTENSION.** Campbell IW, Ewing DJ, Clarke BF *Br Med J* 1: 872-4, 10 Apr 76 (Eng) DL/76AUG19

**STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE.** Brockman RP, Bergman EN, Pollak WL, Brondum J *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24

**X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS.** Abe K, Matsuda I, Matsuura N, Murayama T, Uzaki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

**HORMONAL CONTROL OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY DURING DEVELOPMENT OF THE RAT.** Hauser CA, Bailey E *Enzyme* 21: 115-26, 1976 (Eng) DL/76AUG83

**[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION]** PP. 99-113. Mouriquand J In: Namer M, Lalanne CM, ed. *Hormones and breast cancer*. Paris, INSERM, 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183

**PLASMA IMMUNOREACTIVE INSULIN AND SOMATOTROPIN IN DELIRIUM TREMENS AND ALCOHOLIC HALLUCINOSIS.** Dobranski T, Pieschl D *J Stud Alcohol* 37: 327-33, Mar 76 (Eng) DL/76AUG224

**FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY.** Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

**GLUCOCORTICOIDS AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT.** Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

**HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM.** Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

**EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS.** Dvorak M, Raszyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

**EFFECTS OF GLUCOCORTICOIDS ON CARBOHYDRATE METABOLISM.** Olefsky JM, Kimmerling G *Am J Med Sci* 271: 202-10, Mar-Apr 76 (Eng) DL/76AUG430

**[A FURTHER CASE OF MALIGNANT HYPERTENSIA AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IPROVERATRIL). (AUTHORS TRANSL.)]** Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesiol* 25: 80-1, Feb 76 (Ger) DL/76AUG446

**INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES.** Lacko L, Witteke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

**BROMOCRIPTINE THERAPY IN ACROMEGALY.** Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

**SOME PROPERTIES OF BECLOMETHASONE DIPROPIONATE AND RELATED STEROIDS IN MAN.** Harris DM *Postgrad Med J* 51 SUPPL 4: 20-5, 1975 (Eng) \*DL/76AUG582

**PLASMA CORTICOSTERONE SECRETION IN RATS AFTER IRRADIATION.** Groza P, Vladescu C *Physiologie* 12: 53-5, 1975 (Eng) \*DL/76AUG584

**[HORMONAL FUNCTION OF THE PLACENTA]** Dassler CG, Kyank HR *Z Aerzt Fortbild (Jena)* 69: 823-8, 1 Aug 75 (Ger) \*DL/76AUG593

**GLUCOCORTICOID THERAPY IN CHILDREN. EFFECT ON SOMATOMEDIN SECRETION.** Elders MJ, Wingfield BS, McNatt ML, Clarke JS, Hughes ER *Am J Dis Child* 129: 1393-6, Dec 75 (Eng) \*DL/76AUG606

**METABOLISM OF 14C-DEHYDROEPIANDROSTERONE IN FEMALE ADIPOSE TISSUE AND VENOUS BLOOD.** Schindler AE, Aymar M *Endocrinol Exp (Bratisl)* 9: 215-22, Sep 75 (Eng) \*DL/76AUG668

**PROPERTIES AND THERAPEUTIC USES OF SOME CORTICOSTEROIDS WITH ENHANCED TOPICAL POTENCY.** Harris DM *J Steroid Biochem* 6: 711-6, May 75 (Eng) \*DL/76AUG736

**PLASMA CORTICOSTERONE AND CARDIAC GLYCOGEN LEVELS IN RATS AFTER EXERCISE.** Poland JL, Myers TD, Witorsch RJ, Brandt RB *Proc Soc Exp Biol Med* 150: 148-50, Oct 75 (Eng) \*DL/76AUG778

**THE EFFECTS OF DEXAMETHASONE AND STARVATION ON BODY COMPOSITION AND REGIONAL ADIPOSE TISSUE CELLULARITY IN THE RAT.** Krotkiewski M, Bjornorp P *Acta Endocrinol (Kbh)* 80: 667-75, Dec 75 (Eng) \*DL/76AUG871

**PROTECTIVE EFFECT OF STEROIDS ON LIVER ISCHEMIA.** Santiago Delpin EA, Figueroa I, Lopez R, Vazquez J *Am Surg* 41: 683-5, Nov 75 (Eng) \*DL/76AUG889

**IN VITRO INFLUENCE OF STEROIDAL HORMONES ON PROTEIN AND GLUCOSE METABOLISM OF ISOLATED GRANULOMATOUS TISSUE CELLS.** Hikawaj I, Nocenti MR *Arch Int Pharmacodyn Ther* 217: 86-96, Sep 75 (Eng) \*DL/76AUG900

**STEROIDOGENIC AND LIPOLYTIC EFFECTS OF CANNABINOLS IN THE RAT AND THE RABBIT.** Maier R, Maitre I *Biochem Pharmacol* 24: 1695-9, 15 Sep 75 (Eng) \*DL/76AUG917

### 2.B.2.2 MINERALOCORTICOIDS

**THERAPEUTIC EXPERIENCE WITH FLUDROCORTISONE IN DIABETIC POSTURAL HYPOTENSION.** Campbell IW, Ewing DJ, Clarke BF *Br Med J* 1: 872-4, 10 Apr 76 (Eng) DL/76AUG19

**THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3':5'-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER.** Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

**RADIOIMMUNOASSAY.** Ratcliffe FG *Recent Adv Clin Nucl Med* 1: 151-87, 1975 (Eng) [119] DL/76AUG332

**[CLINICAL ASPECTS AND THERAPY OF ADDISONS DISEASE]** Schulz F, Retiene K *Anaesthesiol Intensivmed Prax* 9: 139-48, 1974 (Ger) DL/76AUG445

**INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES.** Lacko L, Witteke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

**[FUTURE OF ENDOCRINOLOGY]** Reig AA *Rev Iber Endocrinol* 22: 393-482, Sep-Oct 75 (Spa) [119] \*DL/76AUG842

## 2.B ADRENAL GLANDS

IN VITRO INFLUENCE OF STEROIDAL HORMONES ON PROTEIN AND GLUCOSE METABOLISM OF ISOLATED GRANULOMATOUS TISSUE CELLS. Hikawaj I, Nocenti MR *Arch Int Pharmacodyn Ther* 217: 86-96, Sep 75 (Eng) \*DL/76AUG900

### 2.B.3 ADRENAL MEDULLA

ENDOCRINE CHANGES IN SEPSIS. Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

UPTAKE OF <sup>14</sup>C-LABELLED CHLOROQUINE AND AN <sup>125</sup>I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

EFFECT OF ACUTE COLD EXPOSURE ON BLOOD COMPOSITION IN RATS TREATED WITH 6-HYDROXYDOPAMINE (AUTHORS TRANSL) Honma K, Fukushima N, Maekubo H, Itoh S *Hokkaido J Med Sci* 50: 299-303, May 75 (Jpn) \*DL/76AUG517

#### 2.B.3.1 EPINEPHRINE

ACTIVITY OF HUMAN ADENYLATE CYCLASE FROM HUMAN FAT CELL MEMBRANES. Pouppou R *Biomedicine [Express]* 23: 438-42, 20 Dec 75 (Eng) DL/76AUG5

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. IV. INFLUENCE OF INSULIN AND EPINEPHRINE ON LIPOGENESIS FROM (<sup>14</sup>C)-U-GLUCOSE. Somer JB, Schwartz CJ *Exp Mol Pathol* 24: 129-41, Apr 76 (Eng) DL/76AUG88

STIMULATION OF INSULIN RELEASE AFTER RAISING EXTRACELLULAR CALCIUM. Hellman B *FEBS Lett* 63: 125-8, 15 Mar 76 (Eng) DL/76AUG89

HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIUMA MEANS LIVER IN ORGAN CULTURE. Brown D, Fleming N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3',5'-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER. Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197

THE HLB DEPENDENCY FOR DETERGENT SOLUBILIZATION OF HORMONALLY SENSITIVE ADENYLATE CYCLASE. Storm DR, Field SO, Ryan J *J Supramol Struct* 4: 221-31, 1976 (Eng) DL/76AUG221

CHANGES IN CATECHOLAMINE- AND GLUCAGON-RESPONSIVE ADENYLATE CYCLASE ACTIVITY IN PRENEOPLASTIC RAT LIVER. Boyd H, Martin TJ *Mol Pharmacol* 12: 195-202, Mar 76 (Eng) DL/76AUG253

GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERM-FREE RATS. Sewell DL, Bruckner-Kardoss E, Lorenz LM, Wostmann BS *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322

[MACROLID ANTIBIOTICS AND ADRENALIN-INDUCED HYPERGLYCEMIA] Hugues FC, Julien D *Therapie* 30: 455-7, May-Jun 75 (Fre) DL/76AUG352

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

SELECTIVE INHIBITION OF CHOLERA TOXIN- AND CATECHOLAMINE-STIMULATED LIPOLYSIS BY BLOCKING AGENTS. Katz MS, Greenough WB 3d *Infect Immun* 12: 964-8, Nov 75 (Eng) \*DL/76AUG519

INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOGEN PHOSPHORYLASE. Rinard GA, Chew CS *Life Sci* 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572

THE ROLE OF THE ADRENAL MEDULLA IN THE CONTROL OF GLUCONEOGENESIS IN THE RAT. Born CK, Spratto GR *Res Commun Chem Pathol Pharmacol* 12: 481-98, Nov 75 (Eng) \*DL/76AUG585

[CHROMAFFINE TUMOURS: DIAGNOSIS AND CATAMNOSTIC FEATURES BASED ON THE DATA COLLECTED AT THE INSTITUTE OF EXPERIMENTAL THERAPY BETWEEN 1949 AND 1974 (AUTHORS TRANSL)] Ebel H, Clausen HG *Arzneim Forsch* 25: 1610-21, Oct 75 (Ger) \*DL/76AUG621

[INFLUENCE OF MUSCULAR EXERCISE ON BLOOD CATECHOLAMINE LEVELS IN RATS] Rodigas P, Cession-Fossion A, Lecomte J *C R Soc Biol (Paris)* 169: 257-61, 1975 (Fre) \*DL/76AUG649

EFFECT OF EPINEPHRINE ON ADIPOSE TISSUE METABOLISM IN GOATS. Bartos S, Dolezel F, Jukl A *Endocrinol Exp (Bratisl)* 9: 229-38, Sep 75 (Eng) \*DL/76AUG669

ACUTE BLOOD BIOCHEMICAL ALTERATIONS IN RESPONSE TO MARATHON RUNNING. Maron MB, Horvath SM, Wilkerson JE *Eur J Appl Physiol* 34: 173-81, 15 Aug 75 (Eng) \*DL/76AUG672

DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JP *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

EFFECTS OF ARGININE HOMOLOGOUS AND OTHER GUANIDINO COMPOUNDS ON THE ATP LEVEL AND GLUCOSE OXIDATION IN ISOLATED FAT CELLS. Schwegler F, Stock W *Hoppe Seyler's Z Physiol Chem* 356: 839-44, Jun 75 (Eng) \*DL/76AUG693

STIMULATION OF EPINEPHRINE-SENSITIVE FAT CELL ADENYLATE CYCLASE BY CYTOSOL: EFFECT OF CHOLERA TOXIN. Ganguly U, Greenough WB 3d *Proc Natl Acad Sci USA* 72: 3561-4, Sep 75 (Eng) \*DL/76AUG765

ROLE OF ADENYLATE CYCLASE-CYCLIC AMP IN CARDIAC ACTIONS OF ADRENERGIC AMINES. Drummond GI, Hemmings SJ *Recent Adv Stud Cardiac Struct Metab* 3: 213-22, 1973 (Eng) \*DL/76AUG791

THE ROLES OF ENERGY SOURCES AND IONS IN THE REGULATION OF CARDIAC FUNCTION. Haugaard N, Levin RM, Haugaard ES *Recent Adv Stud Cardiac Struct Metab* 3: 223-32, 1973 (Eng) \*DL/76AUG792

CARDIAC AND METABOLIC EFFECTS OF DIBUTYRYL CYCLIC AMP IN THE INTACT DOG HEART AND THE ISOLATED PERFUSED RAT HEART. Dhalla NS, Chermack P, Gandhi SS, McNamara DB, Naimark A *Recent Adv Stud Cardiac Struct Metab* 3: 233-50, 1973 (Eng) \*DL/76AUG793

HEART TRIGLYCERIDE AND GLYCOGEN METABOLISM: EFFECTS OF CATECHOLAMINES, DIBUTYRYL CYCLIC AMP, THEOPHYLLINE, AND FATTY ACIDS. Crass MF 3rd *Recent Adv Stud Cardiac Struct Metab* 3: 275-90, 1973 (Eng) \*DL/76AUG796

LIPID AND GLYCOGEN METABOLISM IN THE HYPoxic HEART: EFFECTS OF EPINEPHRINE. Crass MF 3d, Pieper GM *Am J Physiol* 229: 885-9, Oct 75 (Eng) \*DL/76AUG883

RISE IN PLASMA FREE-NOREPINEPHRINE DURING ANESTHETIC INDUCTION WITH KETAMINE. Zsigmond EK, Kelsch RC, Kothary SP *Behav Neuropsychiatry* 6: 81-4, Apr 74-Mar 75 (Eng) \*DL/76AUG909

STUDIES ON THE ROLE OF CALCIUM IONS IN THE STIMULATION BY ADRENALINE OF AMYLASE RELEASE FROM RAT PAROTID. Dormer RL, Ashcroft SJ *Biochem J* 144: 543-50, Dec 74 (Eng) \*DL/76AUG910

THE EFFECT OF ADRENALINE AND OF ALPHA- AND BETA-ADRENERGIC BLOCKING AGENTS ON ATP CONCENTRATION AND ON INCORPORATION OF <sup>32</sup>P INTO ATP IN RAT FAT CELLS. Stein JM *Biochem Pharmacol* 24: 1659-62, 15 Sep 75 (Eng) \*DL/76AUG916

#### 2.B.3.2 NOREPINEPHRINE

[ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION] Cresteil T, Counis R, Raulin J *Biochimie* 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4

CYCLIC GUANOSINE 3',5'-MONOPHOSPHATE AND THE REGULATION OF LIPOLYSIS IN RAT FAT CELLS. Fain JN, Butcher FR *J Cyclic Nucleotide Res* 2: 71-8, 1976 (Eng) DL/76AUG153

THE ROLE OF BRAIN MONAMINES IN THE SUSCEPTIBILITY TO SEIZURES BROUGHT ABOUT BY CHEMICAL AND ELECTRICAL STIMULATIONS. PP. 259-72. Pfeiffer AK, Uney G *Inf Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 1631H 1971. (Eng) DL/76AUG181*

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197

CHANGES IN CATECHOLAMINE- AND GLUCAGON-RESPONSIVE ADENYLATE CYCLASE ACTIVITY IN PRENEOPLASTIC RAT LIVER. Boyd H, Martin TJ *Mol Pharmacol* 12: 195-202, Mar 76 (Eng) DL/76AUG253

GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERM-FREE RATS. Sewell DL, Bruckner-Kardoss E, Lorenz LM, Wostmann BS *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE



## 2.C THYROID GLAND

CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

POSTSYNTHETIC STABILIZED MODIFICATION OF ADENYLATE CYCLASE BY METABOLITES. Brydon-Golz S, Bennun A *Biochem Soc Trans* 3: 721-4, 1975 (Eng) \*DL/76AUG505

SELECTIVE INHIBITION OF CHOLERA TOXIN- AND CATECHOLAMINE-STIMULATED LIPOLYSIS BY BLOCKING AGENTS. Katz MS, Greenough WB 3d *Infect Immun* 12: 964-8, Nov 75 (Eng) \*DL/76AUG519

TRANSFER OF FATTY ACIDS ACROSS THE RABBIT PLACENTA. Elphick MC, Hudson DG, Hull D J *J Physiol (Lond)* 252: 29-42, Oct 75 (Eng) \*DL/76AUG553

[CHROMAFFINE TUMOURS: DIAGNOSIS AND CATAMNETIC FEATURES BASED ON THE DATA COLLECTED AT THE INSTITUTE OF EXPERIMENTAL THERAPY BETWEEN 1949 AND 1974 (AUTHORS TRANSL.)] Ebel H, Classen HG *Arzneim Forsch* 25: 1610-21, Oct 75 (Ger) \*DL/76AUG621

[INFLUENCE OF MUSCULAR EXERCISE ON BLOOD CATECHOLAMINE LEVELS IN RATS] Rodigas P, Cession-Fossion A, Lecomte J C R *Soc Biol (Paris)* 169: 257-61, 1975 (Fre) \*DL/76AUG649

ACUTE BLOOD BIOCHEMICAL ALTERATIONS IN RESPONSE TO MARATHON RUNNING. Maron MB, Horvath SM, Wilkerson JE *Eur J Appl Physiol* 34: 173-81, 15 Aug 75 (Eng) \*DL/76AUG672

STUDIES ON NOREPINEPHRINE-INDUCED EFFLUX OF FREE FATTY ACID FROM HAMSTER BROWN-ADIPOSE-TISSUE CELLS. Bioher L.L., Pottersson B, Lindberg O *Eur J Biochem* 58: 375-81, 15 Oct 75 (Eng) \*DL/76AUG677

INTERACTION OF FOUR METHYLXANTHINE COMPOUNDS AND NOREPINEPHRINE ON CARDIAC PHOSPHORYLASE ACTIVATION AND CARDIAC CONTRACTILITY. McNeill JH, Brenner MJ, Muschek LD *Recent Adv Stud Cardiac Struct Metab* 3: 261-73, 1973 (Eng) \*DL/76AUG795

ADENYL CYCLASE ACTIVITY IN THE HYPOTHALAMIC HEART. McNamara DB, Sulakhe PV, Singh JN, Dhallia NS *Recent Adv Stud Cardiac Struct Metab* 3: 303-9, 1973 (Eng) \*DL/76AUG797

EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES. Wollenberger A, Shahab I.W., Krause EG, Genz S, Warbanow W, Nitschkoff S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

RISE IN PLASMA FREE-NOREPINEPHRINE DURING ANESTHETIC INDUCTION WITH KETAMINE. Zsigmond EK, Kelsch RC, Kothary SP *Behav Neuropsychiatry* 6: 81-4, Apr 74-Mar 75 (Eng) \*DL/76AUG909

EFFECTS OF 0-2 AND N6-ACYL-SUBSTITUTED CYCLIC AMP ON ADIPOSE TISSUE METABOLISM IN VITRO. Curtis-Prior PB *Biochem Pharmacol* 24: 1904-6, 15 Oct 75 (Eng) \*DL/76AUG920

## 2.B.4 ADRENALECTOMY

ROLE OF CORTISOL IN THE RESTITUTION OF BLOOD VOLUME AFTER HEMORRHAGE. Gann DS, Pirkle JC Jr *Am J Surg* 130: 565-9, Nov 75 (Eng) \*DL/76AUG611

STEROIDOGENIC AND LIPOLYTIC EFFECTS OF CANNABINOLS IN THE RAT AND THE RABBIT. Maier R, Maitre L *Biochem Pharmacol* 24: 1695-9, 15 Sep 75 (Eng) \*DL/76AUG917

## 2.B.5 ADRENAL DISORDERS

PARANEOPLASTIC SYNDROMES. PP. 145-51. Burk M, Matas AJ, Simmons RL. In: *Najarian JS, Delaney JP, ed. Advances in cancer surgery*. New York, Stratton, 1976. QZ 268 A244 1975. (Eng) DL/76AUG182

[CLINICAL ASPECTS AND THERAPY OF ADDISONS DISEASE] Schulz F, Retiene K *Anaesthesiol Intensivmed Prax* 9: 139-48, 1974 (Ger) DL/76AUG445

## 2.C THYROID GLAND

ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS. Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

COOPERATIVE PROPERTIES OF HORMONE RECEPTORS IN CELL MEMBRANES. De Meys P J *Supramol Struct* 4: 241-58, 1976 (Eng) DL/76AUG223

UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 125I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS. Kochakian CD *Pharmacol Ther* [B] 1: 149-77, 1975 (Eng) [442] DL/76AUG324

[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS] Durand N, Berthezene F, Girod C C R *Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650

## 2.C.1 THYROID HORMONES

FURTHER EVIDENCE FOR THE EXISTENCE OF GENETICALLY DETERMINED METABOLIC DIFFERENCES BETWEEN LP(A) AND LP(A-) INDIVIDUALS. Dahlen G, Berg K *Clin Genet* 9: 357-64, Mar 76 (Eng) DL/76AUG44

CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES. Roos BA, Deftos LJ, Rorabaugh P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76

HORMONAL CONTROL OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY DURING DEVELOPMENT OF THE RAT. Hauser CA, Bailey E *Enzyme* 21: 115-26, 1976 (Eng) DL/76AUG83

[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palumieri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

ENDOCRINE CHANGES IN SEPSIS. Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

LETTER: THYROID HORMONES IN SERIOUS NON-THYROIDAL ILLNESS. Anonymous *Lancet* 1: 1070-1, 15 May 76 (Eng) DL/76AUG234

[CHAINS A AND B, CIRCULATING FRACTIONS OF INSULIN] Orsetti A *Pathol Biol (Paris)* 23: 849-52, Dec 75 (Fre) DL/76AUG284

[CLINICAL AND LABORATORY PROBLEMS IN RADIOIMMUNOLOGIC DETERMINATION] Castelli A *Quad Scavo Diagn* 11: 179-82, Jun 75 (Ita) DL/76AUG326

[PLASMA CALCITONIN LEVELS AND METABOLIC EFFECTS OF PORCINE CALCITONIN IN NEWBORN LAMBS (AUTHORS TRANSL.)] Barlet JP, Michel MC, Theriez M, Savajol H, Garel JM *J Physiol (Paris)* 68: 519-29, 1974 (Fre) \*DL/76AUG554

VARIATIONS IN THE COMPOSITION OF BLOOD AND URINE FOLLOWING THE INGESTION OF A HIGH-PROTEIN DIET. Heeley DM, Sharman IM, Cooper DF *Proc Nutr Soc* 34: 69a, Sep 75 (Eng) \*DL/76AUG771

## 2.C.2 THYROID ANTAGONISTS

ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE. Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

STIMULATION BY PROPYLTHIOURACIL OF THE HEXOSE MONOPHOSPHATE SHUNT IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES DURING PHAGOCYTOSIS. Tsan MF, McIntyre PA *Br J Haematol* 31: 193-208, Oct 75 (Eng) \*DL/76AUG472

## 2.C.3 THYROID DISORDERS

THE EPIPHYSEAL DYSPLASIAS. Spranger J *Clin Orthop* 46-59, Jan-Feb 76 (Eng) DL/76AUG46

[CHAINS A AND B, CIRCULATING FRACTIONS OF INSULIN] Orsetti A *Pathol Biol (Paris)* 23: 849-52, Dec 75 (Fre) DL/76AUG284

[CONTINUOUS STUDY OF RAPIDLY FLUCTUATING PARAMETERS IN THE STUDY OF GLUCOREGULATION] Collard F, Orsetti A, Mirouze J *Pathol Biol (Paris)* 23: 747-52, Nov 75 (Fre) DL/76AUG286

EYE DISORDERS: USING ULTRASOUND IN OPHTHALMOLOGIC DIAGNOSIS. Hodes BL *Postgrad Med* 59: 197-203, Apr 76 (Eng) DL/76AUG309

[CLINICAL AND LABORATORY PROBLEMS IN RADIOIMMUNOLOGIC DETERMINATION] Castelli A *Quad Scavo Diagn* 11: 179-82, Jun 75 (Ita) DL/76AUG326

[CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavagnini F, Peracchi M, Panerai AE, Pinto M *Quad Scavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328

NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakor P *Prog Food Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330

ESOPHAGEAL MOTOR DYSFUNCTION IN SYSTEMIC DISEASES. Mukhopadhyay AK, Graham DY *Arch Intern Med* 136: 583-8, May 76 (Eng) [79] DL/76AUG458

[PATHOGENESIS OF DISORDERS OF THE THYROID GLAND FUNCTION IN PREGNAN-



## 2.E PITUITARY GLAND

[CY] Bobik IuI, Kasatkina LA, Pashchenko AE, Mitso ASH, Fabri ZI *Vopr Okhr Materin Det* 19: 71-3, Feb 74 (Rus) \*DL/76AUG859

## 2.D PARATHYROID GLANDS

**FACTORS INFLUENCING BONE FORMATION IN ORGAN CULTURE.** Raisz LG, Dietrich JW, Canalis EM *Isr J Med Sci* 12: 108-14, Feb 76 (Eng) DL/76AUG130

**THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER.** Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

**PARANEOPLASTIC SYNDROMES.** PP. 145-51. Burk M, Matas AJ, Simmons RL. In: *Najarian JS, Delaney, JP, ed. Advances in cancer surgery.* New York, Stratton, 1976. QZ 268 A244 1975. (Eng) DL/76AUG182

**RADIOIMMUNOASSAY.** Ratcliffe FG *Recent Adv Clin Nucl Med* 1: 151-87, 1975 (Eng) [119] DL/76AUG332

**EFFECT OF PARATHYROID HORMONE ON RENAL TUBULAR FLUID AND GLUCOSE REABSORPTION.** Baumann K, Chan YL, Bode F, Papavassiliou F, Wagner M *Curr Probl Clin Biochem* 4: 223-8, 1975 (Eng) \*DL/76AUG488

## 2.E PITUITARY GLAND

**TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOHYPHYSAL CELLS.** PP. 287-98. Horvath E, Kovacs K, Strattmann IE, Ezrin C. In: *Hess M, ed. Electron microscopic concepts of secretion.* New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG165

**UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 125I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS.** Dencker L, Lindqvist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

**DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS.** Kochakian CD *Pharmacol Ther* [B] 1: 149-77, 1975 (Eng) [442] DL/76AUG324

**[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSO-ADRENAL SYSTEM IN OBESITY]** Dobrev D, Pavlov D, Stoilov L *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

### 2.E.1 PITUITARY HORMONES, ANTERIOR

#### 2.E.1.1 CORTICOTROPIN

**[ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION]** Cresteil T, Counis R, Raulin J *Biochimie* 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4

**ACTIVITY OF HUMAN ADENYLATE CYCLASE FROM HUMAN FAT CELL MEMBRANES.** Poupon R *Biomedicine [Express]* 23: 438-42, 20 Dec 75 (Eng) DL/76AUG5

**[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE]** Frowein J,

Petersen KG *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

**CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER.** Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69

**THE ROLE OF SERUM NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY (NSILA) IN COMPENSATORY RENAL GROWTH.** Poffenbarger PL, Prince MJ *Growth* 40: 83-97, Mar 76 (Eng) DL/76AUG105

**ENDOCRINE CHANGES IN SEPSIS.** Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

**THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER.** Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

**PARANEOPLASTIC SYNDROMES.** PP. 145-51. Burk M, Matas AJ, Simmons RL. In: *Najarian JS, Delaney, JP, ed. Advances in cancer surgery.* New York, Stratton, 1976. QZ 268 A244 1975. (Eng) DL/76AUG182

**HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM.** Zubrug RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

**[CLINICAL AND LABORATORY PROBLEMS IN RADIOIMMUNOLOGIC DETERMINATION]** Castelli A *Quad Scavo Diagn* 11: 179-82, Jun 75 (Ita) DL/76AUG326

**[FUNCTIONAL DIENCEPHALO-PITUITARY DIAGNOSIS BY MEANS OF RADIOIMMUNOASSAY]** Iacono G *Quad Scavo Diagn* 11: 218-38, Jun 75 (Ita) DL/76AUG327

**RADIOIMMUNOASSAY.** Ratcliffe FG *Recent Adv Clin Nucl Med* 1: 151-87, 1975 (Eng) [119] DL/76AUG332

**TRANSPLANTABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS.** Stekar J *Z Krebsforsch* 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390

**[BRONCHIAL CARCINOMA WITH SECRETION OF ACTH AND HCG (AUTHORS TRANSL.)]** De Leeuw I, van den Bergh O, Abs R *Acta Tuberc Pneumol Belg* 66: 361-7, Jul-Oct 75 (Dut) DL/76AUG423

**EFFECTS OF CHOROID PLEXUS PEPTIDE IIF ON ADENYLATE CYCLASE AND 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE.** Rudman D *J Pharmacol Exp Ther* 195: 532-9, Dec 75 (Eng) \*DL/76AUG552

**THE EFFECT OF ALPHA1-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN.** Caccamo A, Garlaschi C, di Natale B, del Guercio MJ, Chiumello G *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705

**STEROIDOGENIC AND LIPOLYTIC EFFECTS OF CANNABINOLS IN THE RAT AND THE RABBIT.** Maier R, Maitre L *Biochem Pharmacol* 24: 1695-9, 15 Sep 75 (Eng) \*DL/76AUG917

#### 2.E.1.2 SOMATOTROPIN

**GROWTH HORMONE RELEASE BY GLYCINE INJECTED INTRAVENOUSLY IN 22 HEALTHY SEXUALLY IMMATURE CHIL-**

**DREN.** Pupa M, Florea I *Biomedicine [Express]* 23: 131-3, 30 Apr 75 (Eng) DL/76AUG6

**X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS.** Abe K, Matsuda I, Matsura N, Murayama T, Uzaki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

**CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER.** Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69

**THE EFFECTS OF INSULIN AND GROWTH HORMONE ON THE RELEASE OF SOMATOMEDIN BY THE ISOLATED RAT LIVER.** Daughaday WH, Phillips LS, Mueller MC *Endocrinology* 98: 1214-9, May 76 (Eng) DL/76AUG75

**HORMONAL CONTROL OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY DURING DEVELOPMENT OF THE RAT.** Hauser CA, Bailey E *Enzyme* 21: 115-26, 1976 (Eng) DL/76AUG83

**STUDY OF GROWTH HORMONE SECRETION IN LUNG CARCINOMA.** Claeys-De Clercq P, Levin S, Borkowski A *Eur J Cancer* 11: 565-9, Aug 75 (Eng) DL/76AUG85

**THE ROLE OF SERUM NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY (NSILA) IN COMPENSATORY RENAL GROWTH.** Poffenbarger PL, Prince MJ *Growth* 40: 83-97, Mar 76 (Eng) DL/76AUG105

**ENDOCRINE CHANGES IN SEPSIS.** Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

**CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH.** Costin G, Kogut MD, Phillips LS, Daughaday WH *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG142

**[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION]** PP. 99-113. Mouriquand J. In: *Namer M, Lalanne CM, ed. Hormones and breast cancer.* Paris, INSERM, 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183

**CHRONOBIOLOGICAL STUDY OF GROWTH HORMONE SECRETION IN MAN: ITS RELATION TO SLEEP-WAKE CYCLES AND TO INCREASING AGE.** PP. 81-7. Dagata R, Vigneri R, Polosa P, Semenenko EI, Myshkovskii VI, I USON-Stiennon JA, Leclercq G. In: *Scheving LE, et al., ed. Chronobiology.* Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG186

**THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART I. NORMAL SUBJECTS.** Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

**THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE.** Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197

**DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS** Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201

**SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES.** Bernardis LL, Goldman JK, Chlouverakis C, Frohman LA *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205

## 2.E PITUITARY GLAND

- [PROPRANOLOL-GLUCAGON LOADING TEST] Okada Y, Watanabe K, Hata T, Kumahara Y *Jpn J Clin Med* 34: 410-3, 10 Feb 76 (Jpn) DL/76AUG211
- [ADIPOSY IN CHILDREN] Spahn U, Knoll G, Plenert W *Kinderarztl Prax* 43: 166-80, Apr 75 (Ger) [71] DL/76AUG213
- [SOMATOSTATIN - A REVIEW (AUTHORS TRANSL.)] Lucke C, Mitzkat HJ, von zur Muhlen A *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217
- PLASMA IMMUNOREACTIVE INSULIN AND SOMATOTROPIN IN DELIRIUM TREMENS AND ALCOHOLIC HALLUCINOSIS. Dobrzanski T, Pieschl D *J Stud Alcohol* 37: 327-33, Mar 76 (Eng) DL/76AUG224
- [SOMATOSTATIN AND SOMATOMEDINS--NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY] Efendic S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227
- EFFECT OF ALCOHOL ADMINISTRATION ON PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA. Priem HA, Shanley BC, Malan C *Metabolism* 25: 397-403, Apr 76 (Eng) DL/76AUG242
- COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA. Bonkowsky HL, Magnusson CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243
- EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA. Davidson MB, Fisher MB, Dabir-Vaziri N, Schaffer M *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245
- HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256
- [BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBESE SUBJECTS] Lanzara P, Marozzi P, Carmina E, Janni A *Pediatrics (Napoli)* 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291
- [THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY] Schaison G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293
- [FUNCTIONAL DIENCEPHALO-PITUITARY DIAGNOSIS BY MEANS OF RADIOIMMUNOASSAY] Iacono G *Quad Scavo Diagn* 11: 218-38, Jun 75 (Ita) DL/76AUG327
- [CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavadini F, Peracchi M, Panerai AE, Pinto M *Quad Scavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328
- HUMAN GROWTH HORMONE. Hamilton W *Scott Med J* 20: 197-200, Sep 75 (Eng) DL/76AUG339
- [MECHANISM OF SOMATOTROPIN HORMONE SECRETION AND A TEST FOR ITS EVALUATION] Maleeva A, Milanov S *Vutr Boles* 14: 11-6, 1975 (Bul) DL/76AUG368
- TRANSPARENABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS. Stekar J *Z Krebsforsch* 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390
- THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404
- GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN. Fallucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406
- SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY. Casar J, Mashiter K, Sullivan G, Joplin GF *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408
- INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG. Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409
- [COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415
- EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY. Syvalahti E, Lammintausta R, Pekkarinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418
- [COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTRORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449
- BROMOCRIPTINE THERAPY IN ACROMEGALY. Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569
- [LEVEL OF SOMATOTROPIC HORMONES IN THE NEWBORN, THE PARTURIENT AND THE AMNIOTIC FLUID] Balabolkin MI, Ianshyna MN *Pediatr Akush Ginekol* 37-9, Nov-Dec 75 (Ukr) \*DL/76AUG580
- INCREASE IN PLASMA GROWTH HORMONE CONCENTRATION: A NEW EFFECT OF HELIUM BREATHING. Raymond L, Sode J, Langworthy HC, Blosser J, Johnsonbaugh RE *Undersea Biomed Res* 1: 91-8, Mar 74 (Eng) \*DL/76AUG590
- SOMATOMEDIN LEVELS IN HUMAN BEINGS. Daughaday WH *Adv Metab Disord* 8: 159-70, 1975 (Eng) [36] \*DL/76AUG601
- RADIOIMMUNOASSAY OF SOMATOMEDIN B. Yalow RS, Hall K, Luft R *Adv Metab Disord* 8: 73-83, 1975 (Eng) \*DL/76AUG603
- EFFECT OF THERMAL STRESS AND DEHYDRATION ON PLASMA LEVELS OF GLUCOSE, FREE FATTY ACIDS AND GROWTH HORMONE IN THE PIGEON. John TM, Mckeown BA, George JC *Arch Int Physiol Biochim* 83: 303-8, May 75 (Eng) \*DL/76AUG615
- LETTER: EFFECTS OF EXERTION ON HORMONE SECRETION. Karonen SL, Adlercreutz H, Dessypris A *Br Med J* 4: 102-3, 11 Oct 75 (Eng) \*DL/76AUG645
- [ABSENCE OF SOMATOSTATIN EFFECT ON NEUROHYPOPHYSAL FUNCTION IN MAN] Legros JJ, Brison J, Franchimont P *C R Soc Biol (Paris)* 168: 1442-5, 1974 (Fre) \*DL/76AUG647
- [OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS] Durand N, Berthezene F, Girod C *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650
- GROWTH HORMONE RELEASE IN THE RAT: EFFECTS OF SOMATOSTATIN AND THYROTROPIN-RELEASING FACTOR. Brown M, Vale W *Endocrinology* 97: 1151-6, Nov 75 (Eng) \*DL/76AUG670
- EFFECT OF GROWTH HORMONE ON SURFACE CHARGE AND ELECTROPHORETIC MOBILITY OF THYMOCYTES FROM YOUNG AND AGED RATS. Hanjan SN, Talwar GP *Mol Cell Endocrinol* 3: 185-201, Sep 75 (Eng) \*DL/76AUG687
- EFFECT OF ELECTROCONVULSIVE THERAPY WITHOUT ANTICONVULSIVE PREMEDICATION ON SERUM GROWTH HORMONE IN MAN. Vigas M, Stowassero N, Nemeth S, Jurcovicova J *Horm Res* 6: 65-70, 1975 (Eng) \*DL/76AUG691
- THE EFFECT OF ALPHA1-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN. Caccamo A, Garlaschi C, di Natale B, del Guercio MJ, Chiumello G *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705
- EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN. Lal S, Tolis G, Martin SB, Brown GM, Guyda HJ *Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718
- HETEROGENEITY OF HUMAN GROWTH HORMONE AND PROLACTIN SECRETED IN VITRO: IMMUNOASSAY AND RADIORECEPTOR ASSAY CORRELATIONS. Guyda HJ *Clin Endocrinol Metab* 41: 953-67, Nov 75 (Eng) \*DL/76AUG719
- GROWTH HORMONE AND CORTISOL SECRETION AFTER ORAL AND INTRAVENOUS ADMINISTRATION OF METHYLDOPA. Syvalahti E, Seppala PO, Iisalo E *Acta Pharmacol Toxicol (Kbh)* 37: 257-64, Sep 75 (Eng) \*DL/76AUG874
- ECTOPIC PITUITARY FUNCTION. Lindholm J, Korsgaard O, Rasmussen P *Acta Med Scand* 198: 299-302, Oct 75 (Eng) \*DL/76AUG878
- [RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY] Gonzalez-Barcelona D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902
- GROWTH HORMONE LEVELS DURING MORNING AND AFTERNOON NAPS. Karacan I, Rosenbloom AL, Londono JH, Williams RL, Salis PJ *Behav Neuropsychiatry* 6: 67-70, Apr 74-Mar 75 (Eng) \*DL/76AUG908

## 2.E PITUITARY GLAND

### 2.E.1.3 THYROTROPIN

**X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS.** Abe K, Matsuda I, Matsuura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

**THE ROLE OF SERUM NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY (NSILA) IN COMPENSATORY RENAL GROWTH.** Poffenbarger PL, Prince MJ *Growth* 40: 83-97, Mar 76 (Eng) DL/76AUG105

**ENDOCRINE CHANGES IN SEPSIS.** Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

**HORMONAL REGULATION OF ENZYME SYNTHESIS DIFFERENTIATING MAMMALIAN TISSUES.** PP. 55-61. Greengard O *Ino Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [13] DL/76AUG169*

**[SOMATOSTATIN - A REVIEW (AUTHORS TRANSL)]** Lucke C, Mitzkat HJ, von zur Muhlen A *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217

**LETTER: THYROID HORMONES IN SERIOUS NON-THYROIDAL ILLNESS.** Anonymous *Lancet* 1: 1070-1, 15 May 76 (Eng) DL/76AUG234

**[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY]** Schaison G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

**RADIOIMMUNOASSAY.** Ratcliffe FG *Recent Adv Clin Nucl Med* 1: 151-87, 1975 (Eng) [119] DL/76AUG332

**[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL]** Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

**BROMOCRIPTINE THERAPY IN ACROMEGALY.** Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

**[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS]** Durand N, Berthezene F, Girod C *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650

**EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN.** Lal S, Tolis G, Martin SB, Brown GM, Guyda HJ *Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

### 2.E.1.4 GONADOTROPINS, PITUITARY

**X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS.** Abe K, Matsuda I, Matsuura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

**CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER.** Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69

*Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69

**POLYAMINE TRANSPORT AND METABOLISM IN MOUSE MAMMARY GLAND. GENERAL PROPERTIES AND HORMONAL REGULATION.** Kano K, Oka T *J Biol Chem* 251: 2795-800, 10 May 76 (Eng) DL/76AUG135

**CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH.** Costin G, Kogut MD, Phillips LS, Daughaday WH *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG142

**EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES.** PP. 129-47. McCarty KS Jr, McCarty KS Sr *Ino Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG164*

**[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION]** PP. 99-113. Mouriquand J *Ino Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183*

**STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE.** PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G *Ino Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184*

**PROLACTIN AND GONADAL FUNCTION.** Besser GM, Thorner MO *Pathol Biol (Paris)* 23: 779-82, Dec 75 (Eng) DL/76AUG281

**[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY]** Schaison G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

**[FUNCTIONAL DIENCEPHALO-PITUITARY DIAGNOSIS BY MEANS OF RADIOIMMUNOASSAY]** Iacono G *Quad Scavo Diagn* 11: 218-38, Jun 75 (Ita) DL/76AUG327

**RADIOIMMUNOASSAY.** Ratcliffe FG *Recent Adv Clin Nucl Med* 1: 151-87, 1975 (Eng) [119] DL/76AUG332

**DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS.** Ramirez VD, Gautron JP, Epelbaum J, Pattou E, Zamora A, Kordon C *Mol Cell Endocrinol* 3: 339-50, Nov 75 (Eng) \*DL/76AUG508

**BROMOCRIPTINE THERAPY IN ACROMEGALY.** Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

**[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS]** Durand N, Berthezene F, Girod C *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650

**EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN.** Lal S, Tolis G, Martin SB, Brown GM, Guyda HJ *Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

**HETEROGENEITY OF HUMAN GROWTH HORMONE AND PROLACTIN SECRETED IN VITRO: IMMUNOASSAY AND RADIORECEPTOR ASSAY CORRELATIONS.** Guyda JH *J Clin Endocrinol Metab* 41: 953-67, Nov 75 (Eng) \*DL/76AUG719

**EFFECT OF FSH AND LH ON THE GLYCOGEN CONCENTRATION IN TESTIS OF INTACT AND HYPOPHYSECTOMIZED RATS.** Leiderman B, Mancini RE *Acta Physiol Lat Am* 24: 305-11, 1974 (Eng) \*DL/76AUG875

**PROPERTIES OF FOLLICLE-STIMULATING-HORMONE RECEPTOR IN CELL MEMBRANES OF BOVINE TESTIS.** Cheng KW *Biochem J* 149: 123-32, Jul 75 (Eng) \*DL/76AUG912

### 2.E.2 PITUITARY HORMONES, POSTERIOR

**THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER.** Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

**PARANEOPLASTIC SYNDROMES.** PP. 145-51. Burk M, Matas AJ, Simmons RL *Ino Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975. (Eng) DL/76AUG182*

**[HYPONATREMIA, HYPOSMOLARITY AND WATER INTOXICATION]** Truniger B *Med Klin* 70: 1071-9, 20 Jun 75 (Ger) [30] DL/76AUG252

**HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM.** Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

**INSULIN STIMULATES ACTIVE SODIUM TRANSPORT IN TOAD BLADDER BY TWO MECHANISMS.** Wiesmann WP, Sinha S, Klahr S *Nature* 260: 546-7, 8 Apr 76 (Eng) DL/76AUG272

**[WATER INTOXICATION]** Truniger B *Z Gesamte Inn Med* 30: 170-3, 1 Sep 75 (Ger) DL/76AUG382

**STIMULUS-RESPONSE COUPLING IN NEUROHYPOPHYSIAL PEPTIDE TARGET CELLS.** Jard S, Bockaert J *J Physiol Rev* 55: 489-536, Oct 75 (Eng) \*DL/76AUG783

### 2.E.3 PITUITARY HORMONES, INTERMEDIATE

**EFFECTS OF CHOROID PLEXUS PEPTIDE IIF ON ADENYLATE CYCLASE AND 3:5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE.** Rudman D *J Pharmacol Exp Ther* 195: 532-9, Dec 75 (Eng) \*DL/76AUG552

### 2.E.4 PITUITARY HORMONE RELEASING FACTORS

**PROLACTIN AND GONADAL FUNCTION.** Besser GM, Thorner MO *Pathol Biol (Paris)* 23: 779-82, Dec 75 (Eng) DL/76AUG281

**BROMOCRIPTINE THERAPY IN ACROMEGALY.** Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

**[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS]** Durand N, Berthezene F, Girod C *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650

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### 2.F GONADS

GROWTH HORMONE RELEASE IN THE RAT: EFFECTS OF SOMATOSTATIN AND THYROTROPIN-RELEASING FACTOR. Brown M, Vale W. *Endocrinology* 97: 1151-6, Nov 75 (Eng) \*DL/76AUG670

### 2.E.5 HYPOPHYSECTOMY

THE EFFECTS OF INSULIN AND GROWTH HORMONE ON THE RELEASE OF SOMATOMEDIN BY THE ISOLATED RAT LIVER. Daughaday WH, Phillips LS, Mueller MC. *Endocrinology* 98: 1214-9, May 76 (Eng) DL/76AUG75

EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS. Laszlo FA, Durszt F, Varga P, Czako L. *Endocrinology* 63: 294-303, 1974 (Eng) DL/76AUG77

THE ROLE OF SERUM UNSUPPRESSIBLE INSULIN-LIKE ACTIVITY (NSILA) IN COMPENSATORY RENAL GROWTH. Poffenbarger PL, Prince MJ. *Growth* 40: 83-97, Mar 76 (Eng) DL/76AUG105

SOMATOMEDIN LEVELS IN HUMAN BEINGS. Daughaday WH. *Adv Metab Disord* 8: 159-70, 1975 (Eng) [36] \*DL/76AUG601

PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANSLATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY. Haefliger EW, Privett OS. *Hoppe Seyler's Z Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692

THE RATES OF TISSUE PROTEIN SYNTHESIS IN VIVO IN HYPOPHYSECTOMIZED AND PAIR-FED CONTROL RATS. Millward DJ, Nanyelugo DO, Chatterjee AK. *Proc Nutr Soc* 34: 95a-96a, Sep 75 (Eng) \*DL/76AUG776

EFFECT OF FSH AND LH ON THE GLYCOGEN CONCENTRATION IN TESTIS OF INTACT AND HYPOPHYSECTOMIZED RATS. Leiderman B, Mancini RE. *Acta Physiol Lat Am* 24: 305-11, 1974 (Eng) \*DL/76AUG875

ECTOPIC PITUITARY FUNCTION. Lindholm J, Korsgaard O, Rasmussen P. *Acta Med Scand* 198: 299-302, Oct 75 (Eng) \*DL/76AUG878

### 2.E.6 PITUITARY DISORDERS

LETTER: RECOVERABLE ORGANIC PSYCHOSIS AFTER HYPOPHYSECTOMY. Cohen SI. *Br Med J* 1: 831, 3 Apr 76 (Eng) DL/76AUG18

X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS. Abe K, Matsuda I, Matsuura N, Murayama T, Uzaki K, Okuno A. *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

[COMBINED CLOFIBRATE-CHLORPROPAMIDE THERAPY IN DIABETES INSIPIDUS COMPLICATED WITH DIABETES MELLITUS] Czako L, Laszlo FA, Kahan-Laszlo I. *Endocrinology* 63: 364-74, 1975 (Ger) DL/76AUG82

STUDY OF GROWTH HORMONE SECRETION IN LUNG CARCINOMA. Claeys-De Clercq P, Levin S, Borkowski A. *Eur J Cancer* 11: 565-9, Aug 75 (Eng) DL/76AUG85

[INFLUENCE OF CHLORPROPAMIDE ON THE EXCRETION OF ELECTROLYTES IN DIABETES INSIPIDUS] Peci-Popovic E, Janjic M, Kicic M. *Glas Srpsk Akad Nauka [Med]* 77-84, 1975 (Ser) DL/76AUG104

[SOMATOSTATIN -- A REVIEW (AUTHORS TRANSL.)] Lucke C, Mitzkat HJ, von zur Muhlen A. *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217

[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY] Schaison G, Roger M, Milhaud G. *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

[FUNCTIONAL DIENCEPHALO-PITUITARY DIAGNOSIS BY MEANS OF RADIOIMMUNOASSAY] Iacono G. *Quad Scavo Diagn* 11: 218-38, Jun 75 (Ita) DL/76AUG327

TRANSPLANTABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS. Stekar J. *Z Krebsforsch* 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM. *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY. Cassar J, Mashiter K, Sullivan G, Joplin GF. *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408

BROMOCRIPTINE THERAPY IN ACROMEGALY. Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK. *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

SOMATOMEDIN LEVELS IN HUMAN BEINGS. Daughaday WH. *Adv Metab Disord* 8: 159-70, 1975 (Eng) [36] \*DL/76AUG601

FURTHER OBSERVATIONS ON PLASMA SOMATOMEDIN ACTIVITY IN CHILDREN, van den Brande JL, van Buul S, Heinrich U, van Roon F, Zurcher T, van Steirtegem AC. *Adv Metab Disord* 8: 171-81, 1975 (Eng) \*DL/76AUG602

RADIOIMMUNOASSAY OF SOMATOMEDIN B. Yalow RS, Hall K, Luft R. *Adv Metab Disord* 8: 73-83, 1975 (Eng) \*DL/76AUG603

GLUCOCORTICOID THERAPY IN CHILDREN, EFFECT ON SOMATOMEDIN SECRETION. Elders MJ, Wingfield BS, McNatt ML, Clarke JS, Hughes ER. *Am J Dis Child* 129: 1393-6, Dec 75 (Eng) \*DL/76AUG606

[ABSENCE OF SOMATOSTATIN EFFECT ON NEUROHYPOPHYSEAL FUNCTION IN MAN] Legros JJ, Brisson J, Franchimont P. *C R Soc Biol (Paris)* 168: 1442-5, 1974 (Fre) \*DL/76AUG647

ECTOPIC PITUITARY FUNCTION. Lindholm J, Korsgaard O, Rasmussen P. *Acta Med Scand* 198: 299-302, Oct 75 (Eng) \*DL/76AUG878

ADENYL CYCLASE. Steer ML. *Ann Surg* 182: 603-9, Nov 75 (Eng) [57] \*DL/76AUG899

[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY] Gonzalez-Barcena D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV. *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

### 2.F GONADS

#### 2.F.1 OVARY

[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE] Frowein J, Petersen KG. *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

ULTRASTRUCTURE OF THE CAPILLARIES OF THE REPRODUCTIVE SYSTEM IN FEMALE RABBITS WITH ALLOXAN DIABETES. Liebhart M, Szamborski J. *Pol Med Sci Hist Bull* 15: 133-7, Mar-Apr 75 (Eng) DL/76AUG304

METABOLISM AND ULTRASTRUCTURE IN OVARIES OF ALLOXAN-DIABETIC JUVENILE RATS. Stahler E, Neumann HO, Niethammer KM. *Arch Gynaecol* 220: 199-208, 5 Mar 76 (Eng) DL/76AUG461

MECHANISM OF NUCLEOTIDE INHIBITION OF GONADOTROPIN BINDING TO CELL MEMBRANES OF BOVINE CORPUS LUTEUM. Rao CV. *Mol Cell Endocrinol* 3: 255-71, Oct 75 (Eng) \*DL/76AUG507

ADENOSINE-3:5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME. Azhar S, Menon KM. *Eur J Biochem* 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674

[HISTOCHEMICAL STUDY OF THE ENZYMES OF GLYCOGEN METABOLISM IN THE HUMAN ENDOMETRIUM DURING THE NORMAL MENSTRUAL CYCLE] Prishnikov VA. *Arkhn Anat Gistol Embriol* 68: 63-6, Apr 75 (Rus) \*DL/76AUG907

#### 2.F.2 TESTIS

[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE] Frowein J, Petersen KG. *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

EFFECT OF FSH AND LH ON THE GLYCOGEN CONCENTRATION IN TESTIS OF INTACT AND HYPOPHYSECTOMIZED RATS. Leiderman B, Mancini RE. *Acta Physiol Lat Am* 24: 305-11, 1974 (Eng) \*DL/76AUG875

PROPERTIES OF FOLLICLE-STIMULATING-HORMONE RECEPTOR IN CELL MEMBRANES OF BOVINE TESTIS. Cheng KW. *Biochem J* 149: 123-32, Jul 75 (Eng) \*DL/76AUG912

#### 2.F.3 SEX HORMONES

REMISSION OF DIABETES MELLITUS DURING PREGNANCY. Gabbe SG, Dizerega GS, Mestman JH. *Am J Obstet Gynecol* 125: 264-5, 15 May 76 (Eng) DL/76AUG432

ACCESSORY REPRODUCTIVE ORGANS IN MAMMALS: CONTROL OF CELL AND TISSUE TRANSPORT BY SEX HORMONES. Spaziani E. *Pharmacol Rev* 27: 207-86, Jun 75 (Eng) [566] \*DL/76AUG782

##### 2.F.3.1 ANDROGENS

EPIDERMAL THICKNESS OF THE EAR LOBE AND DIABETES. Posinovec J, Hebrang H. *Endocrinology* 63: 381-5, 1974 (Eng) DL/76AUG81

QUANTITATIVE DETERMINATION OF SEX HORMONE-BINDING GLOBULIN CAPACITY IN THE PLASMA OF NORMAL AND DIABETIC PREGNANCIES. De Hertogh R, Thomas K, Vanderheyden I. *J Clin Endocrinol Metab* 42: 773-7, Apr 76 (Eng) DL/76AUG147



## 2.G OTHER ENDOCRINES AND RELATED TERMS

**PROLACTIN AND GONADAL FUNCTION.** Besser GM, Thorner MO *Pathol Biol (Paris)* 23: 779-82, Dec 75 (Eng) DL/76AUG281

**DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS.** Kochakian CD *Pharmacol Ther [B]* 1: 149-77, 1975 (Eng) [442] DL/76AUG324

**INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES.** Lacko L, Witke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

**[HORMONAL FUNCTION OF THE PLACENTA]** Dassler CG, Kyank HR *Z Aerzt Fortbild (Jena)* 69: 823-8, 1 Aug 75 (Ger) \*DL/76AUG593

**METABOLISM OF 14C-DEHYDROEPIANDROSTERONE IN FEMALE ADIPOSE TISSUE AND VENOUS BLOOD.** Schindler AE, Aymar M *Endocrinol Exp (Bratisl)* 9: 215-22, Sep 75 (Eng) \*DL/76AUG668

### 2.F.3.2 ESTROGENS

**EPIDERMAL THICKNESS OF THE EAR LOBE AND DIABETES.** Posinovec J, Hebrang H *Endokrinologie* 63: 381-5, 1974 (Eng) DL/76AUG81

**QUANTITATIVE DETERMINATION OF SEX HORMONE-BINDING GLOBULIN CAPACITY IN THE PLASMA OF NORMAL AND DIABETIC PREGNANCIES.** De Hertogh R, Thomas K, Vanderheyden I *J Clin Endocrinol Metab* 42: 773-7, Apr 76 (Eng) DL/76AUG147

**[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION]** PP. 99-113. Mouriquand J *In* O Namer M, Lalanne CM, ed. *Hormones and breast cancer*. Paris, INSERM, 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183

**STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE.** PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G *In* O Namer M, Lalanne CM, ed. *Hormones and breast cancer*. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184

**MUOCARDIAL INFARCTION AND ESTROGEN THERAPY IN POST-MENOPAUSAL WOMEN.** Rosenberg L, Armstrong B, Phil D, Jick H *N Engl J Med* 294: 1256-9, 3 Jun 76 (Eng) DL/76AUG267

**PROLACTIN AND GONADAL FUNCTION.** Besser GM, Thorner MO *Pathol Biol (Paris)* 23: 779-82, Dec 75 (Eng) DL/76AUG281

**RADIOIMMUNOASSAY.** Ratcliffe FG *Recent Adv Clin Nucl Med* 1: 151-87, 1975 (Eng) [119] DL/76AUG332

**INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOGEN PHOSPHORYLASE.** Rinard GA, Chew CS *Life Sci* 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572

**[HORMONAL FUNCTION OF THE PLACENTA]** Dassler CG, Kyank HR *Z Aerzt Fortbild (Jena)* 69: 823-8, 1 Aug 75 (Ger) \*DL/76AUG593

**THE TRANSFER OF GLUCOSE TO STEROIDS BY CHIMPANZEE LIVER MICROSOMES.** Labow RS, Williamson DG, Layne DS, Collins DC *Can J Biochem* 53: 1028-30, Sep 75 (Eng) \*DL/76AUG652

**EDITORIAL: HORMONE RECEPTOR RESEARCH: PROBLEMS AND PROMISES.** Fyhrquist F *Scand J Clin Lab Invest* 35: 385-90, Sep 75 (Eng) [27] \*DL/76AUG845

**[CERTAIN INDICATORS OF THE FUNCTIONAL STATE OF FETOPLACENTAL COMPLEX IN PREGNANCY COMPLICATED BY LATE TOXEMIA AND THREATENED ABORTION]** Anisimova MI, Eiber NS, Kiriasova ZhR *Vopr Okhr Materin Det* 19: 62-6, Apr 74 (Rus) \*DL/76AUG860

**[PROCEEDINGS: EFFECT OF OESTROGENS AND DIET ON LIPIDS IN THE PLASMA OF CASTRATED RATS OF BOTH SEXES (AUTHORS TRANSL.)]** Pottier C, Lederer J *Ann Endocrinol (Paris)* 36: 115-6, Mar-Apr 75 (Fre) \*DL/76AUG893

### 2.F.3.3 CORPUS LUTEUM AND PROGESTATIONAL HORMONES

#### 2.F.3.3.1 CORPUS LUTEUM HORMONES

#### 2.F.3.3.2 PROGESTATIONAL HORMONES

**[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION]** PP. 99-113. Mouriquand J *In* O Namer M, Lalanne CM, ed. *Hormones and breast cancer*. Paris, INSERM, 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183

**INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOGEN PHOSPHORYLASE.** Rinard GA, Chew CS *Life Sci* 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572

**[HORMONAL FUNCTION OF THE PLACENTA]** Dassler CG, Kyank HR *Z Aerzt Fortbild (Jena)* 69: 823-8, 1 Aug 75 (Ger) \*DL/76AUG593

#### 2.F.3.4 CONTRACEPTIVES, ORAL

**PREVENTION OF CORONARY HEART DISEASE.** Anonymous *Br Med J* 1: 881-2, 10 Apr 76 (Eng) DL/76AUG21

**PREVENTION OF CORONARY HEART DISEASE. REPORT OF A JOINT WORKING PARTY OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND THE BRITISH CARDIAC SOCIETY.** Anonymous *J R Coll Physicians Lond* 10: 213-75, Apr 76 (Eng) DL/76AUG200

**EFFECT OF LONG TERM USE OF ORAL CONTRACEPTIVES ON GLUCOSE TOLERANCE.** Muck BR *Arch Gynaekol* 220: 185-90, 5 Mar 76 (Eng) DL/76AUG460

**NORMAL VALUES: THEORETICAL AND PRACTICAL ASPECTS.** Werner M, Marsh WL *CRC Crit Rev Clin Lab Sci* 6: 81-100, Sep 75 (Eng) [62] \*DL/76AUG667

**SOME EFFECTS OF AN ORAL CONTRACEPTIVE ON DIETARY CARBOHYDRATE-LIPID INTERRELATIONS IN THE BABOON.** Stovin V, Macdonald I *Proc Nutr Soc* 34: 55a-56a, Sep 75 (Eng) \*DL/76AUG768

### 2.F.4 GONADAL DISORDERS

**X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGONADISM AND MENTAL RETARDATION IN TWO SIBLINGS.** Abe K, Matsuda I, Matsuura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

## 2.G OTHER ENDOCRINES AND RELATED TERMS

### 2.G.1 ENDOCRINE GLANDS

**ENDOCRINE CHANGES IN SEPSIS.** Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

**CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH.** Costin G, Kogut MD, Phillips LS, Daughaday WH *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG142

**DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS.** Kochakian CD *Pharmacol Ther [B]* 1: 149-77, 1975 (Eng) [442] DL/76AUG324

**NUTRITION AND THE ENDOCRINE GLANDS.** Eisenstein AB, Singh SP, Thakor P *Prog Food Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330

**A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS.** Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

**[STUDY ON THE CHRONIC TOXICITY OF 1-(4-CYCLOHEXYLUREIDOPHENOX)-2-HYDROXY-3-TERT-BUTYLAMINOPROPANE/TALINOLOL, CORDANUM, 02-115 IN THE RAT AND THE BEAGLE]** Bartsch R, Merbt EM, Riedel H *Pharmazie* 30: 659-68, Oct 75 (Ger) \*DL/76AUG583

**[FUTURE OF ENDOCRINOLOGY]** Reig AA *Rev Iber Endocrinol* 22: 393-482, Sep-Oct 75 (Spa) [119] \*DL/76AUG842

### 2.G.2 HORMONES

**[ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION]** Cresteil T, Counis R, Raulin J *Biochimie* 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4

**[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE]** Frowein J, Petersen KG *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

**CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER.** Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69

**EFFECT OF FEEDING AND FASTING ON THE EARLY STEPS OF GLUCAGON ACTION IN ISOLATED RAT LIVER CELLS.** Fouchereau-Peron M, Rancou F, Freychet P, Rosselin G *Endocrinology* 98: 755-60, Mar 76 (Eng) DL/76AUG71

**BINDING AND DEGRADATION OF INSULIN BY HUMAN PERIPHERAL GRANULOCYTES. DEMONSTRATION OF SPECIFIC RECEPTORS WITH HIGH AFFINITY.** Fussganger RD, Kahn CR, Roth J, De Meyts P *J Biol Chem* 251: 2761-9, 10 May 76 (Eng) DL/76AUG134

**RADIORECEPTOR ASSAY FOR INSULIN.** Suzuki K, Ohsawa N, Kosaka K *J Clin Endocrinol Metab* 42: 399-402, Feb 76 (Eng) DL/76AUG144

**DECREASED INSULIN BINDING TO ADIPOCYTES AND CIRCULATING MONOCYTES FROM OBESE SUBJECTS.** Olefsky JM *J Clin Invest* 57: 1165-72, May 76 (Eng) DL/76AUG149

**THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ACCU-**



## 2.G OTHER ENDOCRINES AND RELATED TERMS

- MULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER.** Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152
- [SYMPTOMATOLOGY OF REGULATORY MECHANISMS IN OLD AGE]** PP. 39-52. Twrby E *Ino Doberauer W, ed. Scriptum geriatricum. Munchen, Urban & Schwarzenberg, 1975. W3 IN973 1974s. (Ger) DL/76AUG162*
- [CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION]** PP. 99-113. Mouriquand J *Ino Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183*
- STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE.** PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G *Ino Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184*
- INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA.** Harmon JT, Hill R *J Supramol Struct* 4: 233-40, 1976 (Eng) DL/76AUG222
- COOPERATIVE PROPERTIES OF HORMONE RECEPTORS IN CELL MEMBRANES.** De Meyts P *J Supramol Struct* 4: 241-58, 1976 (Eng) DL/76AUG223
- INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY.** Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG277
- [HETEROGENEITY OF PROTEIN HORMONES IN RADIOIMMUNOASSAY]** Rosselin G, Bataille D, Laborthe M, Duran-Garcia S *Pathol Biol (Paris)* 23: 793-803, Dec 75 (Fre) DL/76AUG282
- DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS.** Roldan A, Stevens J, Hollander VP *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321
- DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS.** Kochakian CD *Pharmacol Ther* [B] 1: 149-77, 1975 (Eng) [442] DL/76AUG324
- EFFECTS OF GLUCOCORTICOIDS ON CARBOHYDRATE METABOLISM.** Olefsky JM, Kimmerling G *Am J Med Sci* 271: 202-10, Mar-Apr 76 (Eng) DL/76AUG430
- NON-COVALENT INTERACTIONS. KEY TO BIOLOGICAL FLEXIBILITY AND SPECIFICITY.** Frieden E *J Chem Educ* 52: 754-6, Dec 75 (Eng) \*DL/76AUG541
- QUANTITATIVE ASPECTS OF THE REGULATION OF CELLULAR CYCLIC AMP LEVELS. I. STRUCTURE AND KINETICS OF A MODEL SYSTEM.** Davies JJ, Williams PA *J Theor Biol* 53: 1-30, Sep 75 (Eng) \*DL/76AUG562
- RADIOIMMUNOASSAY AND SATURATION ANALYSIS. STANDARDIZATION AND STANDARDS.** Bingham DR, Cotes PM *Br Med Bull* 30: 12-7, Jan 74 (Eng) \*DL/76AUG642
- RADIOIMMUNOASSAY AND SATURATION ANALYSIS. BASIC PRINCIPLES AND THEORY.** Ekins RP *Br Med Bull* 30: 3-11, Jan 74 (Eng) \*DL/76AUG643
- STIMULUS-RESPONSE COUPLING IN NEUROHYPOPHYSIAL PEPTIDE TARGET CELLS.** Jurd S, Bockaert J *J Physiol Rev* 55: 489-536, Oct 75 (Eng) \*DL/76AUG783
- THEORETICAL REVIEW: A MODEL OF HORMONES AND AGONISTIC BEHAVIOR.** Leshner AI *Physiol Behav* 15: 225-35, Aug 75 (Eng) \*DL/76AUG785
- [FUTURE OF ENDOCRINOLOGY]** Reig AA *Rev Iber Endocrinol* 22: 393-482, Sep-Oct 75 (Spa) [119] \*DL/76AUG842
- EDITORIAL: HORMONE RECEPTOR RESEARCH: PROBLEMS AND PROMISES.** Fyhrquist F *Scand J Clin Lab Invest* 35: 385-90, Sep 75 (Eng) [27] \*DL/76AUG845
- PROPERTIES OF FOLLICLE-STIMULATING-HORMONE RECEPTOR IN CELL MEMBRANES OF BOVINE TESTIS.** Cheng KW *Biochem J* 149: 123-32, Jul 75 (Eng) \*DL/76AUG912
- ### 2.G.2.1 GASTROINTESTINAL HORMONES
- EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE.** Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23
- THE EFFECT OF SOMATOSTATIN ON RELEASE AND INSULINOTROPIC ACTION OF GASTRIC INHIBITORY POLYPEPTIDE.** Pederson RA, Dryburgh JR, Brown JC *Can J Physiol Pharmacol* 53: 1200-5, Dec 75 (Eng) DL/76AUG25
- CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES.** Roos BA, Deftos LJ, Rorabaugh P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76
- TRIGLYCERIDE METABOLISM IN ACUTE STARVATION: THE ROLE OF SECRETIN AND GLUCAGON.** Stout RW, Henry RW, Buchanan KD *Eur J Clin Invest* 6: 179-85, 31 Mar 76 (Eng) DL/76AUG87
- [GASTROINTESTINAL HORMONES]** Feurle GE *Internist (Berlin)* 17: 129-35, Mar 76 (Ger) DL/76AUG124
- [SOMATOSTATIN -- A REVIEW (AUTHORS TRANSL)]** Lucke C, Mitzkat HJ, von zur Muhlen A *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217
- [RECURRENT ULCER FOLLOWING VAGOTOMY: COMPLETION OF VAGOTOMY OR RESECTION (AUTHORS TRANSL)]** Bauer H, Holle F *Munch Med Wochenschr* 118: 453-6, 9 Apr 76 (Ger) DL/76AUG260
- SECRETIN, CHOLECYSTOKININ AND NEWER GASTROINTESTINAL HORMONES (SECOND OF TWO PARTS).** Rayford PL, Miller TA, Thompson JC *N Engl J Med* 294: 1157-63, 20 May 76 (Eng) [113] DL/76AUG261
- [THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY]** Schaison G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293
- [GLUCAGON, STOMACH AND PANCREAS]** Kalinin AP, Radbil OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343
- A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS.** Harano Y, Shimizu Y, Yoshida M, Diani N, Kim CI *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399
- HORMONAL CONTROL OF ESOPHAGEAL FUNCTION.** Snape WJ Jr, Cohen S *Arch Intern Med* 136: 538-42, May 76 (Eng) DL/76AUG457
- PROGRESS REPORT. NORMAL AND ABNORMAL FOOD INTAKE.** Hall RJ *Gut* 16: 744-52, Sep 75 (Eng) [89] \*DL/76AUG510
- [PLASMA CALCITONIN LEVELS AND METABOLIC EFFECTS OF PORCINE CALCITONIN IN NEWBORN LAMBS (AUTHORS TRANSL)]** Barlet JP, Michel MC, Theriez M, Savajol H, Garel JM *J Physiol (Paris)* 68: 519-29, 1974 (Fre) \*DL/76AUG554
- THE EFFECT ON GASTRIN SECRETION OF AGENTS WHICH INCREASE THE INTRACELLULAR CONCENTRATION OF 3,5-ADENOSINE MONOPHOSPHATE.** Hayes JR, Williams RH *Endocrinology* 97: 1210-4, Nov 75 (Eng) \*DL/76AUG671
- THE EFFECT OF PROPRANOLOL AND PHENTOLAMINE ON SERUM GASTRIN CONCENTRATION IN RESPONSE TO RESPIRATORY ACIDOSIS IN NORMAL MAN.** Kaess H, Utz G, Teckentrup U, Hauck AM, Dörner M *Eur J Clin Invest* 5: 401-8, 12 Sep 75 (Eng) \*DL/76AUG678
- ### 2.G.2.2 PROSTAGLANDINS
- THE ROLE OF CYCLIC AMP AND PROSTAGLANDINS IN HEPATIC AND GASTROINTESTINAL FUNCTIONS.** PP. 75-117. Levine RA *Ino Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) [95] DL/76AUG180*
- INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS.** Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664
- ADENYL CYCLASE.** Steer ML *Ann Surg* 182: 603-9, Nov 75 (Eng) [57] \*DL/76AUG899
- ### 2.G.2.3 HORMONES, ECTOPIC
- PARANEOPLASTIC SYNDROMES.** PP. 145-51. Burk M, Matas AJ, Simmons RL *Ino Najarian JS, Delaney JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975. (Eng) DL/76AUG182*
- ### 2.G.2.4 PLACENTAL HORMONES
- [BRONCHIAL CARCINOMA WITH SECRETION OF ACTH AND HCG (AUTHORS TRANSL)]** De Leeuw I, van den Bergh O, Abs R *Acta Tuberc Pneumol Belg* 66: 361-7, Jul-Oct 75 (Dut) DL/76AUG423
- MECHANISM OF NUCLEOTIDE INHIBITION OF GONADOTROPIN BINDING TO CELL MEMBRANES OF BOVINE CORPUS LUTEUM.** Rao CV *Mol Cell Endocrinol* 3: 255-71, Oct 75 (Eng) \*DL/76AUG507
- [HORMONAL FUNCTION OF THE PLACENTA]** Dassler CG, Kyank HR *Z Aezrl Fortbild (Jena)* 69: 823-8, 1 Aug 75 (Ger) \*DL/76AUG593
- ### 2.G.2.5 RELAXIN
- ### 2.G.2.6 JUVENILE HORMONES
- ### 2.G.3 CHROMAFFIN SYSTEM
- ### 2.G.4 PINEAL BODY
- RAPID CHANGES IN RAT PINEAL BETA-ADRENERGIC RECEPTOR: ALTERATIONS IN L-(3H)ALPRENOLOL BINDING AND**

2.G OTHER ENDOCRINES AND RELATED TERMS

ADENYLATE CYCLASE. Kebabian JW, Zatz M, Romero JA, Axelrod J *Proc Natl Acad Sci USA* 72: 3735-9, Sep 75 (Eng) \*DL/76AUG766

2.G.5 PITUITARY-ADRENAL SYSTEM

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTRORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

2.G.6 SECRETORY RATE

ACID INHIBITION IN INSULIN TEST. A PRELIMINARY REPORT. Venkataraman MS, Balasubramaniam V, Kanaka TS, Nanjunda Rao R *Indian J Physiol Pharmacol* 19: 207-12, Oct-Dec 75 (Eng) DL/76AUG119

[LETTER: HYPOGLYCEMIA DURING BETA BLOCKING TREATMENT] Certin M, Wechsler B, Bletry O, Godeau P *Nouv Presse Med* 5: 862, 27 Mar 76 (Fre) DL/76AUG296

HUMAN GROWTH HORMONE. Hamilton W *Scott Med J* 20: 197-200, Sep 75 (Eng) DL/76AUG339



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## A CHAIN

[CHAINS A AND B, CIRCULATING FRACTIONS OF INSULIN] Orsetti A *Pathol Biol (Paris)* 23: 849-52, Dec 75 (Fre) DL/76AUG284

## ABDOMEN

LETTER: ACUTE DIABETIC ABDOMEN. Jenkins ST *Lancet* 1: 963, 1 May 76 (Eng) DL/76AUG229

## ABORTION, THREATENED

[CERTAIN INDICATORS OF THE FUNCTIONAL STATE OF FETOPLACENTAL COMPLEX IN PREGNANCY COMPLICATED BY LATE TOXEMIA AND THREATENED ABORTION] Anisimova MI, Eiber NS, Kiriasova Zhr *Vopr Okhr Materin Det* 19: 62-6, Apr 74 (Rus) \*DL/76AUG860

## ABSCISS, PANCREATIC

[PANCREATIC ABSCESS AND ACUTE DIABETES MELLITUS] de Leeuw I, Abs R *Tijdschr Gastroenterol* 18: 329-39, 1975 (Dut) DL/76AUG353

## ABSORPTION

REEVALUATION OF MICROPUNCTURE TECHNIQUES: SOME OF THE FACTORS WHICH AFFECT THE RATE OF FLUID ABSORPTION BY THE PROXIMAL TUBULE. Sato K *Curr Probl Clin Biochem* 4: 175-87, 1975 (Eng) \*DL/76AUG487

LETTER: FOOD: INFLUENCE OF FORM ON ABSORPTION. Leeds AR, Gassull MA, Metz GL, Jenkins DJ *Lancet* 2: 1213, 13 Dec 75 (Eng) \*DL/76AUG570

## ABSORPTION, INTESTINAL

INTESTINAL ABSORPTION FOLLOWING SMALL-BOWEL RESECTION. Perry M *Ann R Coll Surg Engl* 57: 139-47, Sep 75 (Eng) \*DL/76AUG892

## ACADEMIA SINICA

TOTAL SYNTHESIS OF CRYSTALLINE GLUCAGON BY THE METHOD OF SOLID PHASE CONDENSATION OF FRAGMENTS. PROTEIN SYNTHESIS GROUP, SHANGHAI INSTITUTE OF BIOCHEMISTRY, ACADEMIA SINICA. Anonymous *Sci Sin* 18: 745-68, Nov-Dec 75 (Eng) DL/76AUG338

## ACANTHOSIS NIGRICANS

ACANTHOSIS NIGRICANS AND ERUPTIVE XANTHOMA. Emmerson RW *Proc R Soc Med* 69: 311-2, Apr 76 (Eng) DL/76AUG320

## ACCEPTOR LIPID

GLYCOSYL TRANSFER TO AN ACCEPTOR LIPID FROM INSECTS. Quesada Allue LA, Belocopitov E, Marechal LR *Biochem Biophys Res Commun* 66: 1201-8, 27 Oct 75 (Eng) \*DL/76AUG915

## ACETATE, METHANOLIC URANYL

MASKING OF PLEOMORPHIC GLYCOGEN SITES BY METHANOLIC URANYL ACETATE. Bhatnagar R, Leeson TS *Stain Technol* 50: 213-7, Jul 75 (Eng) \*DL/76AUG853

## ACETONEMIA

[EFFECT OF ALANINE ON ACETONEMIA IN COWS AND ON PHILORHIZIN-INDUCED ACETONEMIA IN SHEEP] Weik H, Zander HD *Zentralbl Veterinarmed [A]* 22: 520-3, Aug 75 (Ger) \*DL/76AUG869

## ACETYLCHOLINE

ROLE OF CYCLIC GMP AS A MEDIATOR OF THE NEGATIVE INOTROPIC EFFECT OF ACETYLCHOLINE IN THE PERFUSED RAT HEART. George WJ, Kadowitz PJ, Wilkerson RD *Recent Adv Stud Cardiac Struct Metab* 3: 331-9, 1973 (Eng) \*DL/76AUG799

## ACHOLEPLASMA LAIDLAWII

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. I. ISOLATION AND GENERAL CHARACTERISTICS. Fedotov NS, Panchenko LF, Logachev AP, Bekkouchin AG, Tarshis MA *Folia Microbiol (Praha)* 20: 470-9, 1975 (Eng) \*DL/76AUG512

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. II. KINETIC CHARACTERISTICS AND SPECIFICITY OF GLUCOSE TRANSPORT SYSTEM. Panchenko LF, Fedotov NS, Tarshis MA *Folia Microbiol (Praha)* 20: 480-7, 1975 (Eng) \*DL/76AUG513

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. III. EVIDENCE OF ACTIVE NATURE OF GLUCOSE TRANSPORT. Fedotov NS, Panchenko LF, Tarshis MA *Folia Microbiol (Praha)* 20: 488-95, 1975 (Eng) \*DL/76AUG514

## ACIDOSIS

LETTER: PHENFORMIN AND LACTIC ACIDOSIS. Edwards JC *Br Med J* 1: 584, 6 Mar 76 (Eng) DL/76AUG15

[LACTIC ACIDOSIS INDUCED BY BIGUANIDES] Assan R, Heuclin C, Girard JR, Attali JR *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297

[LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN] Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298

THE EFFECT OF PROPRANOLOL AND PHENTOLAMINE ON SERUM GASTRIN CONCENTRATION IN RESPONSE TO RESPIRATORY ACIDOSIS IN NORMAL MAN. Kaess H, Utz G, Teckentrup U, Hauck AM, Dörner M *Eur J Clin Invest* 5: 401-8, 12 Sep 75 (Eng) \*DL/76AUG678

HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA. Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick

EH *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG813

## ACROMEGALIC SUBJECT

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

## ACROMEGALY

[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY] Schaison G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY. Cassar J, Mashiter K, Sullivan G, Joplin GF *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408

BROMOCRIPTINE THERAPY IN ACROMEGALY. Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY] Gonzalez-Barcena D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

## ACTH

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## ADDISON'S DISEASE

[CLINICAL ASPECTS AND THERAPY OF ADDISON'S DISEASE] Schulz F, Retiene K *Anaesthesiol Intensivmed Prax* 9: 139-48, 1974 (Ger) DL/76AUG445

## ADENINE NUCLEOTIDE

THE POSSIBLE ROLE OF PALMITOYL-COA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS. Panov AV, Konstantinov YM, Lyakhovich VV *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

INTERACTION OF HOMOGENEOUS MITOCHONDRIAL ATPASE FROM RAT LIVER WITH ADENINE NUCLEOTIDES AND INORGANIC PHOSPHATE. Pedersen PL *J Supramol Struct* 3: 222-30, 1975 (Eng) \*DL/76AUG739

## ADENOCARCINOMA

INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA. Harmon JT, Hilf R J

# ADENOHYPOPHYSEAL CELL

Supramol Struct 4: 233-40, 1976 (Eng)  
DL/76AUG222

## ADENOHYPOPHYSEAL CELL

TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOHYPOPHYSEAL CELLS. PP. 287-98. Horvath E, Kovacs K, Stratmann IE, Ezrin C In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG165

## ADENOMA

[EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL)] Sailer R, Katoh E, Drunklee D, Kovacicsek S, Berger M Munch Med Wochenschr 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

TRANSPLANTABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS. Stekar J Z Krebsforsch 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390

THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR. Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM Am J Clin Pathol 65: 462-6, Apr 76 (Eng) DL/76AUG429

## ADENOSINE

ADENOSINE 35 MONOPHOSPHATE IN EXPERIMENTAL HEMORRHAGIC SHOCK. PP. 249-50. Rubenbun AM In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) DL/76AUG178

CHANGE IN MYOCARDIAL ADENOSINE 3, 5 CYCLIC MONOPHOSPHATE DURING THE CONTRACTION CYCLE. Brooker G Recent Adv Stud Cardiac Struct Metab 3: 207-12, 1973 (Eng) \*DL/76AUG790

## ADENOSINE DIPHOSPHATE

BINDING OF ADENOSINE DIPHOSPHATE TO INTACT HUMAN PLATELETS. Born GV, Feinberg H J Physiol (Lond) 251: 823-36, Oct 75 (Eng) \*DL/76AUG726

THE EFFECTS OF ADP ON REVERSE ELECTRON FLOW AND THE OXYGEN EXCHANGE REACTIONS CATALYZED BY BOVINE HEART MUSCLE SUBMITOCHONDRIAL PARTICLES. Mitchell RA, Russo JA, Lamos CM J Supramol Struct 3: 256-60, 1975 (Eng) \*DL/76AUG740

## ADENOSINE TRIPHOSPHATASE

LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE. Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA Biochim Biophys Acta 433: 150-63, 16 Apr 76 (Eng) DL/76AUG43

THE INFLUENCE OF LIPIDS ON THE CONFORMATION OF THE ADENOSINE TRIPHOSPHATASE OF SARCOPLASMIC RETICULUM AND OF OTHER MEMBRANE PROTEINS. Green NM Biochem Soc Trans 3: 604-6, 1975 (Eng) \*DL/76AUG501

PURIFICATION AND MOLECULAR PROPERTIES OF THE (SODIUM & POTASSIUM)-ADENOSINETRIPHOSPHATASE AND RECONSTITUTION OF COUPLED SODIUM AND POTASSIUM TRANSPORT IN PHOSPHOLIPID VESICLES CONTAINING PURIFIED ENZYME. Hokin LE J Exp Zool 194: 197-205, Oct 75 (Eng) [56] \*DL/76AUG547

EXPLORING SITES ON MITOCHONDRIAL ATPASE FOR CATALYSIS, REGULATION, AND INHIBITION. Lardy HA, Schuster SM, Ebel RE J Supramol Struct 3: 214-21, 1975 (Eng) \*DL/76AUG738

INTERACTION OF HOMOGENEOUS MITOCHONDRIAL ATPASE FROM RAT LIVER WITH ADENINE NUCLEOTIDES AND INORGANIC PHOSPHATE. Pedersen PL J Supramol Struct 3: 222-30, 1975 (Eng) \*DL/76AUG739

ROLE OF NA&-K&-ACTIVATED ADENOSINE TRIPHOSPHATASE IN THE TRANSMEMBRANE TRANSPORT OF K& AND NA&: RELATIONSHIPS TO THE INOTROPIC AND ELECTROPHYSIOLOGIC EFFECTS OF DIGITALIS. Ten Eick RE, Bassett AL, Okita GT Recent Adv Stud Cardiac Struct Metab 4: 107-17, 1974 (Eng) \*DL/76AUG816

CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC ACTION AND BINDING TO AND DISSOCIATION FROM NA&-K&-ACTIVATED ATPASE IN VITRO. Akera T, Baskin SL, Tobin T, Brody TM Recent Adv Stud Cardiac Struct Metab 4: 149-54, 1974 (Eng) \*DL/76AUG818

INHIBITION OF SODIUM-POTASSIUM-ACTIVATED ADENOSINE TRIPHOSPHATASE BY K&-MG&-ASPARTATE. Fedelesova M, Dzurbha A, Ziegelhoffer A Recent Adv Stud Cardiac Struct Metab 4: 155-9, 1974 (Eng) \*DL/76AUG819

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA&& TRANSPORT, AND CA&&-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH Recent Adv Stud Cardiac Struct Metab 4: 541-50, 1974 (Eng) \*DL/76AUG823

MEMBRANE NA&-K&-ATPASE AND ELECTROMECHANICS OF HUMAN HEART. Prasad K Recent Adv Stud Cardiac Struct Metab 4: 91-105, 1974 (Eng) \*DL/76AUG826

## ADENOSINE TRIPHOSPHATE

EFFECTS OF ARGININE HOMOLOGOUS AND OTHER GUANIDINO COMPOUNDS ON THE ATP LEVEL AND GLUCOSE OXIDATION IN ISOLATED FAT CELLS. Schwegler F, Stock W Hoppe Seylers Z Physiol Chem 356: 839-44, Jun 75 (Eng) \*DL/76AUG693

THE EFFECT OF ADRENALINE AND OF ALPHA- AND BETA-ADRENERGIC BLOCKING AGENTS ON ATP CONCENTRATION AND ON INCORPORATION OF 32PI INTO ATP IN RAT FAT CELLS. Stein JM Biochem Pharmacol 24: 1659-62, 15 Sep 75 (Eng) \*DL/76AUG916

## ADENOSINE TRIPHOSPHATE SYNTHESIS

ATP SYNTHESIS DRIVEN BY PROTONMOTIVE FORCE IMPOSED ACROSS ESCHERICHIA COLI CELL MEMBRANES. Grinius L, Shusnyte R, Griniuvienė B FEBS Lett 57: 290-3, 1 Oct 75 (Eng) \*DL/76AUG681

RESPIRATION RATES AND ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: STATE 4-3-4 TRANSITION EXPERIMENTS. Archbold GP, Farrington CL, McKay AM, Malpress FH Biochem Soc Trans 3: 504-7, 1975 (Eng) \*DL/76AUG685

ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: CHANGE OF MEDIA AND THE STATE-4 JUMP. Archbold GP, Farrington CL, Malpress FH Biochem Soc Trans 3: 507-10, 1975 (Eng) \*DL/76AUG686

## ADENOSINE-3,5-CYCLICMONOPHOSPHATE

THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3,5-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER. Chlapowski FJ J Cyclic Nucleotide Res 1: 193-205, 1975 (Eng) DL/76AUG152

THE BIOLOGICAL ROLE OF CYCLIC AMP: AN UPDATED OVERVIEW. PP. 229-47. Robison GA In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) [44] DL/76AUG179

THE ROLE OF CYCLIC AMP AND PROSTAGLANDINS IN HEPATIC AND GASTROINTESTINAL FUNCTIONS. PP. 75-117. Levine RA In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) [95] DL/76AUG180

INHIBITION OF INSULIN RELEASE BY CYCLOHEPTADINE: EFFECTS ON 3,5-CYCLIC-AMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS. Joost HG, Beckmann J, Lenzen S, Hasselblatt A Acta Endocrinol (Kbh) 82: 121-6, May 76 (Eng) DL/76AUG407

EFFECTS OF CHOROID PLEXUS PEPTIDE HF ON ADENYLATE CYCLASE AND 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE. Rudman D J Pharmacol Exp Ther 195: 532-9, Dec 75 (Eng) \*DL/76AUG552

DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX. Kinne R, Shlitz LJ, Kinne-Saffran E, Schwartz IL J Membr Biol 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

QUANTITATIVE ASPECTS OF THE REGULATION OF CELLULAR CYCLIC AMP LEVELS. I. STRUCTURE AND KINETICS OF A MODEL SYSTEM. Davies JI, Williams PA J Theor Biol 53: 1-30, Sep 75 (Eng) \*DL/76AUG562

INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOPHENOLPHOSPHYLASE. Rinard GA, Chew SC Life Sci 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572

PROSTAGLANDIN E1 INDUCED CHANGES IN CYCLIC AMP LEVELS IN WI-38 HUMAN FIBROBLASTS. TWO DIFFERENT EFFECTS OF CELL DENSITY. O'Neill JP, Hsie AW Biochim Biophys Acta 404: 243-8, 9 Oct 75 (Eng) \*DL/76AUG628

THE EFFECT ON GASTRIN SECRETION OF AGENTS WHICH INCREASE THE INTRACELLULAR CONCENTRATION OF 3,5-ADENOSINE MONOPHOSPHATE. Hayes JR, Williams RH Endocrinology 97: 1210-4, Nov 75 (Eng) \*DL/76AUG671

ADENOSINE-3,5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME. Azhar S, Menon KM Eur J Biochem 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674

ALTERED HEXOSE TRANSPORT AND SALT SENSITIVITY IN CYCLIC ADENOSINE 3,5-MONOPHOSPHATE-DEFICIENT ESCHERICHIA COLI. Ezzell JW, Dobrogosz WJ J Bacteriol 124: 815-24, Nov 75 (Eng) \*DL/76AUG711

ROLE OF ADENYLATE CYCLASE-CYCLIC AMP IN CARDIAC ACTIONS OF ADRENERGIC AMINES. Drummond GI, Hemmings SJ



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## ADIPOSE TISSUE

- Recent Adv Stud Cardiac Struct Metab 3: 213-22, 1973 (Eng) \*DL/76AUG791
- EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES.** Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschhoff S Recent Adv Stud Cardiac Struct Metab 3: 551-9, 1973 (Eng) \*DL/76AUG805
- CHARACTERIZATION OF SOLUBLE AND MICROSOMAL ADENOSINE 3,5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASES FROM RABBIT HEART.** Laria PJ, Zwerling LJ, Morkin E Recent Adv Stud Cardiac Struct Metab 5: 133-41, 1975 (Eng) \*DL/76AUG827
- ADENOSINE 3,5-MONOPHOSPHATE, THE MYOCARDIAL CELL MEMBRANE, AND CALCIUM.** Wollenberger A, Will H, Krause EG, Wollenberger A, Will H, Krause EG Recent Adv Stud Cardiac Struct Metab 5: 81-93, 1975 (Eng) [35] \*DL/76AUG836
- THE RELATIONSHIP BETWEEN ADENOSINE 3,5-MONOPHOSPHATE LEVELS AND SYSTOLIC TRANSMEMBRANE CALCIUM FLUX.** Watanabe AM, Besch HR Jr Recent Adv Stud Cardiac Struct Metab 5: 95-102, 1975 (Eng) \*DL/76AUG837
- CYCLIC AMP-LINKED MECHANISMS IN ETHANOL-INDUCED DERANGEMENTS OF METABOLISM IN RAT LIVER AND ADIPOSE TISSUE.** Jauchonon VP, Savolainen MJ, Hassinen IE Biochem Pharmacol 24: 1879-83, 15 Oct 75 (Eng) \*DL/76AUG919
- EFFECTS OF O-2 AND N6-ACYL-SUBSTITUTED CYCLIC AMP ON ADIPOSE TISSUE METABOLISM IN VITRO.** Curtis-Prior PB Biochem Pharmacol 24: 1904-6, 15 Oct 75 (Eng) \*DL/76AUG920
- ADENOSINE-3,5-MONOPHOSPHATE**
- [ADENOSINE-3, 5-MONOPHOSPHATE IN AMNIOTIC FLUID OF NORMAL AND HIGH-RISK PREGNANCY (AUTHORS TRANSL.) Dudenhausen JW, Dudenhausen R Z Geburtshilfe Perinatol 180: 46-50, Feb 76 (Ger) DL/76AUG388
- ADENOTONSILLECTOMY**
- HYPOGLYCAEMIA IN CHILDREN UNDERGOING ADENOTONSILLECTOMY.** Kelnar CJ Br Med J 1: 751-2, 27 Mar 76 (Eng) DL/76AUG16
- ADENYL CYCLASE**
- ADENYL CYCLASE ACTIVITY IN THE HYPOXIC HEART.** McNamara DB, Sulakhe PV, Singh JN, Dhalla NS Recent Adv Stud Cardiac Struct Metab 3: 303-9, 1973 (Eng) \*DL/76AUG797
- RNA POLYMERASE AND ADENYL CYCLASE IN CARDIAC HYPERTROPHY AND CARDIOMYOPATHY.** Nair KG, Umali T, Potts J Recent Adv Stud Cardiac Struct Metab 3: 479-87, 1973 (Eng) \*DL/76AUG801
- DEPENDENCE OF PLATELET ADENYL CYCLASE SYSTEM ON OXIDATIVE PHOSPHORYLATION.** Hashimoto S, Shibata S, Kobayashi B Thromb Diath Haemorrh 34: 42-9, 30 Sep 75 (Eng) \*DL/76AUG852
- ADENYL CYCLASE.** Steer ML Ann Surg 182: 603-9, Nov 75 (Eng) [57] \*DL/76AUG899
- ADENYLATE CYCLASE**
- LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, AT-PASE AND ADENYLATE CYCLASE.** Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA Biochim Biophys Acta 433: 150-63, 16 Apr 76 (Eng) DL/76AUG13
- [ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION]** Cresteil T, Counis R, Raulin J Biochimie 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4
- ACTIVITY OF HUMAN ADENYLATE CYCLASE FROM HUMAN FAT CELL MEMBRANES.** Poupon R Biomedicine [Express] 23: 438-42, 20 Dec 75 (Eng) DL/76AUG5
- GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA.** Mulvehill JB, Hui YS, Barnes LD, Palumbo PJ, Dousa TP J Clin Endocrinol Metab 42: 380-4, Feb 76 (Eng) DL/76AUG143
- THE HLB DEPENDENCY FOR DETERGENT SOLUBILIZATION OF HORMONALLY SENSITIVE ADENYLATE CYCLASE.** Storm DR, Field SO, Ryan J J Supramol Struct 4: 221-31, 1976 (Eng) DL/76AUG221
- CHANGES IN CATECHOLAMINE- AND GLUCAGON-RESPONSIVE ADENYLATE CYCLASE ACTIVITY IN PRENEOPLASTIC RAT LIVER.** Boyd H, Martin TJ Mol Pharmacol 12: 195-202, Mar 76 (Eng) DL/76AUG253
- SIMPLE MODEL FOR HORMONE-ACTIVATED ADENYLATE CYCLASE SYSTEMS.** Hammes GG, Rodbell M Proc Natl Acad Sci USA 73: 1189-92, Apr 76 (Eng) DL/76AUG317
- POSTSYNTHETIC STABILIZED MODIFICATION OF ADENYLATE CYCLASE BY METABOLITES.** Brydon-Golz S, Bannan A Biochem Soc Trans 3: 721-4, 1975 (Eng) \*DL/76AUG505
- BREVIBACTERIUM LIQUEFACIENS ADENYLATE CYCLASE AND ITS IN VIVO STIMULATION BY PYRUVATE.** Lynch TJ, Tallant EA, Cheung WY J Bacteriol 124: 1106-12, Dec 75 (Eng) \*DL/76AUG524
- EFFECTS OF CHOROID PLEXUS PEPTIDE IIF ON ADENYLATE CYCLASE AND 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE.** Rudman D J Pharmacol Exp Ther 195: 532-9, Dec 75 (Eng) \*DL/76AUG552
- CARDIAC ADENYLATE CYCLASE. I. PREPARATION AND CHARACTERISATION OF A SUBCELLULAR FRACTION CONTAINING CATECHOLAMINE-SENSITIVE ADENYLATE CYCLASE.** Jarrott B, Picken GM J Mol Cell Cardiol 7: 685-95, Sep 75 (Eng) \*DL/76AUG730
- INTERACTION OF ENZYME I OF THE PHOSPHOENOLPYRUVATE:SUGAR PHOSPHOTRANSFERASE SYSTEM WITH ADENYLATE CYCLASE OF ESCHERICHIA COLI.** Peterkofsky A, Gazdar C Proc Natl Acad Sci USA 72: 2920-4, Aug 75 (Eng) \*DL/76AUG760
- FATTY ACIDS AS MODULATORS OF MEMBRANE FUNCTIONS: CATECHOLAMINE-ACTIVATED ADENYLATE CYCLASE OF THE TURKEY ERYTHROCYTE.** Orly J, Schramm M Proc Natl Acad Sci USA 72: 3433-7, Sep 75 (Eng) \*DL/76AUG763
- MECHANISM OF ACTIVATION OF ADENYLATE CYCLASE BY CHOLERA TOXIN.** Sahyoun N, Cuatrecasas P Proc Natl Acad Sci USA 72: 3438-42, Sep 75 (Eng) \*DL/76AUG764
- STIMULATION OF EPINEPHRINE-SENSITIVE FAT CELL ADENYLATE CYCLASE BY CYTOSOL: EFFECT OF CHOLERA TOXIN.** Ganguly U, Greenough WB 3d Proc Natl Acad Sci USA 72: 3561-4, Sep 75 (Eng) \*DL/76AUG765
- RAPID CHANGES IN RAT PINEAL BETA-ADRENERGIC RECEPTOR: ALTERATIONS IN L-(3H)ALPRENOLOL BINDING AND**
- ADENYLATE CYCLASE.** Kebabian JW, Zatz M, Romero JA, Axelrod J Proc Natl Acad Sci USA 72: 3735-9, Sep 75 (Eng) \*DL/76AUG766
- ROLE OF ADENYLATE CYCLASE-CYCLIC AMP IN CARDIAC ACTIONS OF ADRENERGIC AMINES.** Drummond GI, Hemmings SJ Recent Adv Stud Cardiac Struct Metab 3: 213-22, 1973 (Eng) \*DL/76AUG791
- ADENYLATE ENERGY CHARGE**
- CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD.** Kimura K, Kamiyama Y, Ozawa K, Honjo I Gastroenterology 70: 665-8, May 76 (Eng) DL/76AUG100
- ADHESION, COLLAGEN**
- PROCEEDINGS: MECHANISM OF COLLAGEN: GLUCOSYLTRANSFERASE AND ITS RELATION TO PLATELET: COLLAGEN ADHESION.** Smith DF, Kosow DP, Jamieson GA Thromb Diath Haemorrh 34: 334, 30 Sep 75 (Eng) \*DL/76AUG850
- ADIPOCYTE**
- DECREASED INSULIN BINDING TO ADIPOCYTES AND CIRCULATING MONOCYTES FROM OBESE SUBJECTS.** Olefsky JM J Clin Invest 57: 1165-72, May 76 (Eng) DL/76AUG149
- PERMEABILITY CHARACTERISTICS OF THE ADIPOCYTE CELL MEMBRANE AND PARTITIONING CHARACTERISTICS OF THE ADIPOCYTE TRIGLYCERIDE CORE.** Sherill BC, Dietschy JM J Membr Biol 23: 367-83, 1975 (Eng) \*DL/76AUG558
- ADIPOSE TISSUE**
- RAT ADIPOSE TISSUE GLYCOGEN SYNTHASE. EVIDENCE FOR MULTIPLE DISCRETE KINETIC SPECIES AND THEIR INTERCONVERSION.** Eichner RD J Biol Chem 251: 2316-22, 25 Apr 76 (Eng) DL/76AUG132
- DOES HYPERINSULINEMIA IN OB/OB MICE CAUSE AN INSULIN-STIMULATED ADIPOSE TISSUE.** Loten EG, Le Marchand Y, Assimacopoulos-Jeannet F, Denton RM, Jeanrenaud B Am J Physiol 230: 602-7, Mar 76 (Eng) DL/76AUG437
- INHIBITION OF RAT AND SHEEP ADIPOSE-TISSUE LIPOGENESIS BY PALMITIC ACID AND LINOLEIC ACID ADDED IN VITRO.** Vernon RG Biochem Soc Trans 3: 717, 1975 (Eng) \*DL/76AUG504
- EFFECTS OF CHOROID PLEXUS PEPTIDE IIF ON ADENYLATE CYCLASE AND 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE.** Rudman D J Pharmacol Exp Ther 195: 532-9, Dec 75 (Eng) \*DL/76AUG552
- METABOLISM OF 14C-DEHYDROEPIANDROSTERONE IN FEMALE ADIPOSE TISSUE AND VENOUS BLOOD.** Schindler AE, Aymar M Endocrinol Exp (Bratisl) 9: 215-22, Sep 75 (Eng) \*DL/76AUG668
- LONGITUDINAL STUDIES ON ADIPOSE TISSUE AND ITS DISTRIBUTION IN HUMAN SUBJECTS.** Chien S, Peng MT, Chen KP, Huang TF, Chang C, Fang HS J Appl Physiol 39: 825-30, Nov 75 (Eng) \*DL/76AUG708
- THE RESPONSE OF BLOOD FLOW TO ALTERED PERFUSION PRESSURE IN CANINE ADIPOSE TISSUE.** Ballard K, Aliapioulos JC Proc Soc Exp Biol Med 150: 65-70, Oct 75 (Eng) \*DL/76AUG780
- SURGICAL REDUCTION OF ADIPOSE TISSUE HYPERCELLULARITY IN MAN.** Kral JG Scand J Plast Reconstr Surg 9: 140-3, 1975 (Eng) \*DL/76AUG847

## Diabetes Literature—Keyword Index

### ADIPOSE TISSUE BLOOD FLOW

CYCLIC AMP-LINKED MECHANISMS IN ETHANOL-INDUCED DERANGEMENTS OF METABOLISM IN RAT LIVER AND ADIPOSE TISSUE. Jaahonen VP, Savolainen MJ, Hassinen IE. *Biochem Pharmacol* 24: 1879-83, 15 Oct 75 (Eng) \*DL/76AUG919

### ADIPOSE TISSUE BLOOD FLOW

CONTINUOUS ESTIMATION OF ADIPOSE TISSUE BLOOD FLOW IN RATS BY 133XE ELIMINATION. Madsen J, Malchow-Moller A, Waldorff S. *J Appl Physiol* 39: 851-6, Nov 75 (Eng) \*DL/76AUG709

### ADIPOSE TISSUE, BROWN

STUDIES ON PLASMA FREE-FATTY-ACID METABOLISM AND TRIGLYCERIDE SYNTHESIS OF BROWN ADIPOSE TISSUE IN VIVO DURING COLD-INDUCED THERMOGENESIS OF THE NEWBORN RABBIT. Schenk H, Heim T, Mende T, Varga F, Goetze E. *Eur J Biochem* 58: 15-22, 1 Oct 75 (Eng) \*DL/76AUG675

STUDIES ON NOREPINEPHRINE-INDUCED EFFLUX OF FREE FATTY ACID FROM HAMSTER BROWN-ADIPOSE-TISSUE CELLS. Bieher LL, Pettersson B, Lindberg O. *Eur J Biochem* 58: 375-81, 15 Oct 75 (Eng) \*DL/76AUG677

EFFECTS OF DIET AND COLD ACCLIMATION ON LIPID COMPOSITION OF RAT INTERSCAPULAR BROWN ADIPOSE TISSUE. Senault C, Hlusko MT, Portet R. *Ann Nutr Aliment* 29: 67-77, 1975 (Eng) \*DL/76AUG891

### ADIPOSE TISSUE CELLULARITY

RESISTANCE TO SLIMMING: ADIPOSE TISSUE CELLULARITY STUDIES. Ashwell M, Priest P, Bondoux M, Garrow JS. *Proc Nutr Soc* 34: 85a-86a, Sep 75 (Eng) \*DL/76AUG775

THE EFFECTS OF DEXAMETHASONE AND STARVATION ON BODY COMPOSITION AND REGIONAL ADIPOSE TISSUE CELLULARITY IN THE RAT. Krotkiewski M, Bjornorp P. *Acta Endocrinol (Kbh)* 80: 667-75, Dec 75 (Eng) \*DL/76AUG871

### ADIPOSE TISSUE METABOLISM

EFFECT OF EPINEPHRINE ON ADIPOSE TISSUE METABOLISM IN GOATS. Bartos S, Dolezel F, Jukl A. *Endocrinol Exp (Bratisl)* 9: 229-38, Sep 75 (Eng) \*DL/76AUG669

EFFECTS OF O-2 AND N-6-ACYL-SUBSTITUTED CYCLIC AMP ON ADIPOSE TISSUE METABOLISM IN VITRO. Curtis-Prior PJ. *Biochem Pharmacol* 24: 1904-6, 15 Oct 75 (Eng) \*DL/76AUG920

### ADIPOSE TISSUE RESPONSE

FACTORS INFLUENCING ADIPOSE TISSUE RESPONSE TO FOOD CARBOHYDRATES. PP. 46-53. Romsos DR, Leveille GA. In: *Jeans A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [21]DL/76AUG172

### ADIPOSE TISSUE, SUBCUTANEOUS

FATTY ACID PATTERNS OF SERUM TRIGLYCERIDES AND SUBCUTANEOUS ADIPOSE TISSUES AFTER ILEAL BYPASS IN OBESITY. Kallner A, Hallberg D, Backman L. *Scand J Gastroenterol* 10: 763-7, 1975 (Eng) \*DL/76AUG846

### ADIPOITY

[ADIPOITY IN CHILDREN] Spahn U, Knoll G, Plenert W. *Kinderarztl Prax* 43: 166-80, Apr 75 (Ger) [71]DL/76AUG213

### ADOLESCENT

AN APPROACH TO THE OBESE ADOLESCENT. Barnes HV, Berger R. *Med Clin North Am* 59: 1507-16, Nov 75 (Eng) \*DL/76AUG741

LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES: USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I. *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879

### ADRENAL

[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSIO-ADRENAL SYSTEM IN OBESITY] Dobrev D, Pavlov D, Stoilov L. *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

ROLE OF ADRENALS IN THE VITAMIN A-MEDIATED INCREASE IN THE ACTIVITIES OF GLUCONEOGENIC ENZYMES OF RAT LIVER. Singh M, Ningh VN, Venkatasubramanian TA. *Life Sci* 17: 859-65, 15 Sep 75 (Eng) \*DL/76AUG573

### ADRENAL MEDULLA

THE ROLE OF THE ADRENAL MEDULLA IN THE CONTROL OF GLUCONEOGENESIS IN THE RAT. Born CK, Spratto GR. *Res Commun Chem Pathol Pharmacol* 12: 481-98, Nov 75 (Eng) \*DL/76AUG585

### ADRENALINE

[MACROLID ANTIBIOTICS AND ADRENALIN-INDUCED HYPERGLYCEMIA] Hugues FC, Julien D. *Therapie* 30: 455-7, May-Jun 75 (Fre) DL/76AUG352

STUDIES ON THE ROLE OF CALCIUM IONS IN THE STIMULATION BY ADRENALINE OF AMYLASE RELEASE FROM RAT PAROTID. Dormer RL, Ashcroft SJ. *Biochem J* 144: 543-50, Dec 74 (Eng) \*DL/76AUG910

THE EFFECT OF ADRENALINE AND OF ALPHA- AND BETA-ADRENERGIC BLOCKING AGENTS ON ATP CONCENTRATION AND ON INCORPORATION OF 32PI INTO ATP IN RAT FAT CELLS. Stein JM. *Biochem Pharmacol* 24: 1659-62, 15 Sep 75 (Eng) \*DL/76AUG916

### ADRENERGIC AMINE

ROLE OF ADENYLATE CYCLASE-CYCLIC AMP IN CARDIAC ACTIONS OF ADRENERGIC AMINES. Drummond GI, Hemmings SJ. *Recent Adv Stud Cardiac Struct Metab* 3: 213-22, 1973 (Eng) \*DL/76AUG791

### ADRENERGIC ANTAGONISTS

INHIBITION OF PANCREATIC ISLET MONOAMINE OXIDASE BY ADRENERGIC ANTAGONISTS AND ETHANOL. Feldman JM. *Endocr Res Commun* 2: 503-20, 1975 (Eng) DL/76AUG67

### BETA-ADRENERGIC RECEPTOR

RAPID CHANGES IN RAT PINEAL BETA-ADRENERGIC RECEPTOR: ALTERATIONS

IN L-(3H)ALPRENOLOL BINDING AND ADENYLATE CYCLASE. Kebabian JW, Zatz M, Romero JA, Axelrod J. *Proc Natl Acad Sci USA* 72: 3735-9, Sep 75 (Eng) \*DL/76AUG766

### ADRENOCORTICAL FUNCTION

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszyk J. *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

### ADRENOCORTICAL REGULATION

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP. *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

### ADRENOCORTICAL SECRETION

[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH HYPOGLYCEMIA PROVOKED BY INSULIN] Kolebinov NK, Ankov VK, Pavlov DN. *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

### ADRENOCORTICOTROPIC HORMONE

[BRONCHIAL CARCINOMA WITH SECRETION OF ACTH AND HCG (AUTHORS TRANSL)] De Leeuw I, van den Bergh O, Abs R. *Acta Tuberc Pneumol Belg* 66: 361-7, Jul-Oct 75 (Dut) DL/76AUG423

### ADULT

DIABETES MELLITUS: A COMMON PROBLEM IN ADULTS. Rubenstein AH. *Compr Ther* 1: 15-8, May 75 (Eng) DL/76AUG50

[EARLY DETECTION OF DIABETES MELLITUS IN ADULTS AND FACTORS OF INCREASED RISK OF ITS DEVELOPMENT] Antonov IuS, Khizhniak MI. *Ter Arkh* 48: 114-9, 1976 (Rus) DL/76AUG349

MEDICAL DISORDERS IN A SMALL CARIBBEAN ISLAND. AN ANALYSIS OF THE DISEASE OF ADULTS IN DOMINICA IN 1972 AND 1973. Grell GA. *Ann Trop Med Parasitol* 70: 1-10, Mar 76 (Eng) DL/76AUG455

[CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS] Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanescu I, Bena A, Stefan O. *Rev Ig [Pneumoftiziol]* 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843

### ADULT MAN

SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN--A REVIEW. Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE. *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237

### ADULT ONSET

[EVALUATION BY MULTIPLE REGRESSION ANALYSIS OF THE CLINICAL CHARACTERISTICS OF A SAMPLE OF ADULT-ONSET DIABETICS] Jequier JC, Gagnon MA, Annable L. *Union Med Can* 104: 935-43, Jun 75 (Fre) DL/76AUG355

## Diabetes Literature—Keyword Index

### ALLOXAN DIABETES

#### ADULT, YOUNG

[SCREENING FOR HYPERLIPIDEMIA IN YOUNG ADULTS] Fromantin M, Freyria J, Drieu M, Bon R. *Nouv Presse Med* 5: 851-2, 27 Mar 76 (Fre) DL/76AUG295

DIETARY REGULATION OF SERUM LIPIDS IN HEALTHY, YOUNG ADULTS. Hill P, Wynder EL. *J Am Diet Assoc* 68: 25-30, Jan 76 (Eng) \*DL/76AUG545

#### AFTERNOON NAP

GROWTH HORMONE LEVELS DURING MORNING AND AFTERNOON NAPS. Karacan I, Rosenbloom AL, Londono JH, Williams RL, Salis PJ. *Behav Neuropsychiatry* 6: 67-70, Apr 74-Mar 75 (Eng) \*DL/76AUG908

#### AGE

[EVOLUTION OF THE DIABETIC RETINOPATHY IN CONNECTION WITH THE TYPE AND DURATION OF DIABETES, PATIENTS AGE AND BLOOD PRESSURE (AUTHORS TRANSL.)] Civeira F, Civeira E. *Folia Clin Int (Bare)* 25: 524-37, Oct 75 (Spa) DL/76AUG94

CHRONOBIOLOGICAL STUDY OF GROWTH HORMONE SECRETION IN MAN: ITS RELATION TO SLEEP-WAKE CYCLES AND TO INCREASING AGE. PP. 81-7. DAgata R, Vigneri R, Polosa P, Semenenko EI, Myshkovskii VI, I USON-Stiennon JA, Leclercq G. *Ino Scheving LE, et al., ed. Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG186

SERUM INSULIN VALUES DURING ORAL GLUCOSE TOLERANCE TEST IN VARIOUS AGE GROUPS. Kerpel-Fronius E, Gacs G. *Acta Paediatr Acad Sci Hung* 16: 197-202, 1975 (Eng) DL/76AUG413

[SOMATIC AND MENTAL DEVELOPMENT OF CHILDREN FROM DIABETIC MOTHERS: RESULTS OF A FOLLOW-UP AT AGES BETWEEN 4 TO 16 YEARS] Amendt P. *Acta Paediatr Acad Sci Hung* 16: 299-315, 1975 (Ger) DL/76AUG416

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBESE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H. *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

LETTER: AGE-DEPENDENT SENSITIVITY TO SALICYLATE. Stubbs WA, Alberti KG, Woods HF, Teddy PJ. *Lancet* 2: 1216, 13 Dec 75 (Eng) \*DL/76AUG571

#### AGED

EFFECT OF GROWTH HORMONE ON SURFACE CHARGE AND ELECTROPHORETIC MOBILITY OF THYMOCYTES FROM YOUNG AND AGED RATS. Hanjan SN, Talwar GP. *Mol Cell Endocrinol* 3: 185-201, Sep 75 (Eng) \*DL/76AUG687

#### AGING

[CONNECTIVE TISSUE AND AGING. (2) GLYCOSYLATION OF COLLAGEN AND AGING] Murai A, Miyahara T, Shiozawa S, Sanada K. *Jpn J Geriatr* 12: 128-9, May 75 (Jpn) \*DL/76AUG734

EFFECT OF AGING ON LIPID METABOLISM. Goto Y, Nakamura H, Hata Y, Asano E, Takeuchi I. *Keio J Med* 24: 49-57, Apr 75 (Eng) \*DL/76AUG735

#### AGONISTIC BEHAVIOR

THEORETICAL REVIEW: A MODEL OF HORMONES AND AGONISTIC BEHAVIOR. Leshner AI. *Physiol Behav* 15: 225-35, Aug 75 (Eng) \*DL/76AUG785

#### ALANINE

GLUCONEOGENESIS IN THE NEONATAL RAT: THE METABOLISM AND DISPOSITION OF ALANINE DURING POSTNATAL DEVELOPMENT. PP. 77-95. Snell K. *Ino Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [49] DL/76AUG168

ACTIVE TRANSPORT IN ESCHERICHIA COLI B MEMBRANE VESICLES. DIFFERENTIAL INACTIVATING EFFECTS FROM THE ENZY-MATIC OXIDATION OF BETA-CHLORO-L-ALANINE AND BETA-CHLORO-D-ALANINE. Kaczorowski G, Shaw L, Laura R, Walsh C. *J Biol Chem* 250: 8921-30, 10 Dec 75 (Eng) \*DL/76AUG530

[EFFECT OF ALANINE ON ACETONEMIA IN COWS AND ON PHLORHIZIN-INDUCED ACETONEMIA IN SHEEP] Weik H, Zander HD. *Zentralbl Veterinärmed [A]* 22: 520-3, Aug 75 (Ger) \*DL/76AUG869

#### L-ALANINE

STIMULATION OF RENAL GLUCONEOGENESIS BY L-ALANINE AND AIB. Friedrichs D, Schoner W. *Curr Probl Clin Biochem* 4: 79-84, 1975 (Eng) \*DL/76AUG493

ACTIVE TRANSPORT IN ESCHERICHIA COLI B MEMBRANE VESICLES. DIFFERENTIAL INACTIVATING EFFECTS FROM THE ENZY-MATIC OXIDATION OF BETA-CHLORO-L-ALANINE AND BETA-CHLORO-D-ALANINE. Kaczorowski G, Shaw L, Laura R, Walsh C. *J Biol Chem* 250: 8921-30, 10 Dec 75 (Eng) \*DL/76AUG530

#### ALCOHOL

EFFECT OF ALCOHOL ADMINISTRATION ON PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA. Priem HA, Shanley BC, Malan C. *Metabolism* 25: 397-403, Apr 76 (Eng) DL/76AUG242

#### ALCOHOLIC

PLASMA IMMUNOREACTIVE INSULIN AND SOMATOTROPIN IN DELIRIUM TREMENS AND ALCOHOLIC HALLUCINOSIS. Dobrzanski T, Pieschl D. *J Stud Alcohol* 37: 327-33, Mar 76 (Eng) DL/76AUG224

MITOCHONDRIAL FUNCTION AND EXCITATION-CONTRACTION COUPLING IN THE DEVELOPMENT OF ALCOHOLIC CARDIOMYOPATHY. Pachinger O, Mao J, Fauvel JM, Bing RJ. *Recent Adv Cardiac Struct Metab* 5: 423-9, 1975 (Eng) \*DL/76AUG834

#### ALFADIONE FENTANYL

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPT ANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J. *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

#### ALFALFA MEAL

[EFFECT OF ALFALFA MEAL ON EXPERIMENTAL HYPERLIPIDEMIA] Yanaura S, Sakamoto M. *Folia Pharmacol Jpn* 71: 387-93, Jul 75 (Jpn) \*DL/76AUG511

#### ALGORITHM

AN IMPROVED CONTROL ALGORITHM FOR AN ARTIFICIAL BETA-CELL. Botz CK. *IEEE Trans Biomed Eng* 23: 252-5, May 76 (Eng) DL/76AUG117

#### ALIMENTATION, INTRAVENOUS

SUMMARY OF THE DISCUSSION ON THE THEME: BASIC CONCEPTS AND REQUIREMENTS DURING INTRAVENOUS ALIMENTATION. PP. 121-9. Anonymous. *Ino Ahnefeld FW, et al., ed. Parenteral nutrition*. Berlin, Springer, 1976. WB 410 I43 1974. (Eng) DL/76AUG158

SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN—A REVIEW. Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE. *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237

#### ALLIUM CEPA LINN

HYPOGLYCAEMIC EFFECTS OF ONION, ALLIUM CEPA LINN, ON DIABETES MELLITUS - A PRELIMINARY REPORT. Mathew PT, Augusti KT. *Indian J Physiol Pharmacol* 19: 213-7, Oct-Dec 75 (Eng) DL/76AUG120

#### ALLOMYCES MACROGYNUS

UPTAKE OF THE GLUCOSE ANALOGUE 2-DEOXYGLUCOSE BY GERMINATING MITOSPORES OF ALLOMYCES MACROGYNUS. Burke DD. *J Bacteriol* 124: 843-8, Nov 75 (Eng) \*DL/76AUG712

#### ALLOTTRANSPLANTATION, PANCREATIC

[EXPERIMENTAL PANCREATIC ALLOTTRANSPLANTATION IN DOGS: BIOCHEMICAL ASPECTS AND EVOLUTION] Ellenbogen G, Raia AA, Zilberstein B, Pollara WM, Neto OB, Morimoto RY, Pinotti HW. *Rev Hosp Clin Fac Med Sao Paulo* 30: 340-4, Jul-Aug 75 (Por) \*DL/76AUG841

#### ALLOXAN DIABETES

EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS. Laszlo FA, Durszt F, Varga P, Czako I. *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77

A STUDY OF SUBCUTANEOUS STAPHYLOCOCCAL INFECTION IN ALLOXAN DIABETIC MICE. Sood U, Agarwal DS, Aurora AL. *Indian J Med Res* 63: 1564-76, Nov 75 (Eng) DL/76AUG118

HYPOGLYCAEMIC ACTION OF BENGALENOSIDE, A GLUCOSIDE ISOLATED FROM FICUS BENGALENSIS LINN, IN NORMAL AND ALLOXAN DIABETIC RABBITS. Augusti KT. *Indian J Physiol Pharmacol* 19: 218-20, Oct-Dec 75 (Eng) DL/76AUG121

ULTRASTRUCTURE OF THE CAPILLARIES OF THE REPRODUCTIVE SYSTEM IN FEMALE RABBITS WITH ALLOXAN DIABETES. Liebhart M, Szamborski J. *Pol Med Sci Hist Bull* 15: 133-7, Mar-Apr 75 (Eng) DL/76AUG304

## Diabetes Literature—Keyword Index

### ALPHA CELL

[ULTRASTRUCTURE OF THE STRIA VASCULARIS OF THE COCHLEA IN ALLOXAN DIABETES] Kozlov Mla, Onegova RF, Petrov VS, Sokoloverova IM *Zh Ushn Nos Gori Bolezn* 36-40, Mar-Apr 76 (Rus) DL/76AUG393

STUDIES ON GLUCONEOGENESIS AND STIMULATION OF GLYCOGEN AND PROTEIN SYNTHESIS IN ISOLATED HEPATOCYTES IN ALLOXAN DIABETIC, NORMAL FED AND FASTED ANIMALS. Wagle SR, Ingebreten WR, Sampson L *Acta Diabetol Lat* 12: 185-98, May-Aug 75 (Eng) DL/76AUG400

METABOLISM AND ULTRASTRUCTURE IN OVARIES OF ALLOXAN-DIABETIC JUVENILE RATS. Stahler E, Neumann HO, Niethammer KM *Arch Gynaekol* 220: 199-208, 5 Mar 76 (Eng) DL/76AUG461

ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE. Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

### ALPHA CELL

IDENTIFICATION OF GLUCAGON-PRODUCING CELLS (A CELLS) IN DOG GASTRIC MUCOSA. Baetens D, Rufenner C, Srikanth BC, Dobbs R, Unger R, Orci L *J Cell Biol* 69: 455-64, May 76 (Eng) DL/76AUG137

### L-3H-ALPRENOLOL

RAPID CHANGES IN RAT PINEAL BETA-ADRENERGIC RECEPTOR: ALTERATIONS IN L-(3H)ALPRENOLOL BINDING AND ADENYLATE CYCLASE. Kebabian JW, Zatz M, Romero JA, Axelrod J *Proc Natl Acad Sci USA* 72: 3735-9, Sep 75 (Eng) \*DL/76AUG766

### AMINE, ADRENERGIC

ROLE OF ADENYLATE CYCLASE-CYCLIC AMP IN CARDIAC ACTIONS OF ADRENERGIC AMINES. Drummond GI, Hemmings SJ *Recent Adv Stud Cardiac Struct Metab* 3: 213-22, 1973 (Eng) \*DL/76AUG791

### AMINO ACID

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPLANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

UTILIZATION OF AMINO ACIDS ADMINISTERED ENTERALLY OR PARENTERALLY TO YOUNG PIGS. Keith MO, Peace RW, Botting HG, Hamilton EJ *J Nutr* 105: 1535-43, Dec 75 (Eng) \*DL/76AUG550

THE SYNERGISTIC EFFECT OF DIETARY CARBOHYDRATES ON THE PASSAGE OF AMINO ACIDS TO THE SMALL INTESTINE OF THE SHEEP. Offer NW, Evans RA, Axford RF *Proc Nutr Soc* 34: 67a-68a, Sep 75 (Eng) \*DL/76AUG770

PROTEIN DEGRADATION IN ACUTE CARDIAC LOADING: THE PROBLEM OF REUTILIZATION OF AMINO ACIDS. Schreiber SS, Oratz M, Klein I, Rothschild MA *Recent Adv Stud Cardiac Struct Metab* 3: 589-601, 1973 (Eng) \*DL/76AUG806

THE DEPRESSIONAL INFLUENCE OF AMMONIA ON THE LEVEL OF BLOOD AMINO ACIDS IN WETHERS AND BULLS. Kulasek G *Zentralbl Veterinärmed [A]* 22: 493-500, Aug 75 (Eng) \*DL/76AUG868

### AMINO ACID, BRAIN

THE EFFECT OF NUTRITIONAL FACTORS ON BRAIN AMINO ACID LEVELS AND MONOAMINE SYNTHESIS. Fernstrom JD *Fed Proc* 35: 1151-6, Apr 76 (Eng) DL/76AUG92

### AMINO ACID, FREE

PROTEIN AND FREE AMINO ACID METABOLISM IN THE FAILING CANINE HEART. Peterson MB, Mead RJ, Welty JD *Recent Adv Stud Cardiac Struct Metab* 3: 615-23, 1973 (Eng) \*DL/76AUG809

### AMINO ACID INFUSION

[METABOLIC EFFECT OF A CARBOHYDRATE COMBINATION DURING SIMULTANEOUS AMINO ACID INFUSION] Berg G, Matzkies F, Heid H, Fekl W *Z Ernährungswiss* 14: 163-74, Sep 75 (Ger) DL/76AUG379

### AMINO ACID METABOLISM

A METHOD FOR INJECTING SUBSTANCES INTO THE CIRCULATION TO REACH RAPIDLY AND TO MAINTAIN A STEADY LEVEL, WITH EXAMPLES OF ITS APPLICATION IN THE STUDY OF CARBOHYDRATE AND AMINO ACID METABOLISM. Daniel PM, Donaldson J, Pratt OE *Med Biol Eng* 13: 214-27, Mar 75 (Eng) \*DL/76AUG565

### AMINO ACID TRANSPORT

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLI. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

A REDUCTION IN ENERGY-DEPENDENT AMINO ACID TRANSPORT BY MICROTUBULAR INHIBITORS IN EHRlich ASCITES TUMOR CELLS. Fyfe MJ, Loftfield S, Goldman ID *J Cell Physiol* 86: 201-11, Oct 75 (Eng) \*DL/76AUG537

### AMMONIA

THE DEPRESSIONAL INFLUENCE OF AMMONIA ON THE LEVEL OF BLOOD AMINO ACIDS IN WETHERS AND BULLS. Kulasek G *Zentralbl Veterinärmed [A]* 22: 493-500, Aug 75 (Eng) \*DL/76AUG868

### AMNIOTIC FLUID

THE GLUCOSE-INSULIN RATIO IN AMNIOTIC FLUID. Newman R, Tuter G *Obstet Gynecol* 47: 599-601, May 76 (Eng) DL/76AUG279

[ADENOSINE-3, 5-MONOPHOSPHATE IN AMNIOTIC FLUID OF NORMAL AND HIGH-RISK PREGNANCY (AUTHORS TRANSL.)] Dudenhausen JW, Dudenhausen R *Z Geburtshilfe Perinatol* 180: 46-50, Feb 76 (Ger) DL/76AUG388

[LEVEL OF SOMATOTROPIC HORMONES IN THE NEWBORN, THE PARTURIENT AND THE AMNIOTIC FLUID] Balabolkin MI, Ianshyna MN *Pediatr Akush Ginekolog* 37-9, Nov-Dec 75 (Ukr) \*DL/76AUG580

### AMPHIUMA

HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIUMA MEANS LIVER IN ORGAN CULTURE. Brown D, Flem-

ing N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

### AMPUTATION

THE BELOW-THE-KNEE AMPUTATION FOR VASCULAR DISEASE. Mooney V, Wagner W Jr, Waddell J, Ackerson T *J Bone Joint Surg [Am]* 58: 365-8, Apr 76 (Eng) DL/76AUG136

### AMYLASE

[DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS] Andreoni G, Ragaglia G, Schiavi W, Bernaccino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578

STUDIES ON THE ROLE OF CALCIUM IONS IN THE STIMULATION BY ADRENALINE OF AMYLASE RELEASE FROM RAT PAROTID. Dormer RL, Ashcroft SJ *Biochem J* 144: 543-50, Dec 74 (Eng) \*DL/76AUG910

### AMYLOIDOSIS

[AMYLOIDOSIS OF THE ISLANDS OF LANGERHANS AND ITS EFFECTS WITH REGARD TO THEIR CELLULAR COMPONENTS] Melato M, Antonutto G, Giarelli L, Mlac M *Pathologica* 67: 109-18, Mar-Apr 75 (Ita) DL/76AUG288

LESIONS OF THE LEGS IN DIABETICS AND IN PATIENTS WITH FAMILIAL AMYLOIDOSIS AND POLYNEUROPATHY. Lithner F *Acta Med Scand [Suppl]* 1-23, 1976 (Eng) DL/76AUG421

### ANABOLIC STEROID

DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS. Kochakian CD *Pharmacol Ther [B]* 1: 149-77, 1975 (Eng) [442] DL/76AUG324

### ANALOGUE

UPTAKE OF <sup>14</sup>C-LABELLED CHLOROQUINE AND AN <sup>125</sup>I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY] Gonzalez-Barcena D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

### ANALOGUE, GLUCOSE

UPTAKE OF THE GLUCOSE ANALOGUE 2-DEOXYGLUCOSE BY GERMINATING MITOSPORES OF ALLOMYCES MACROGYNUS. Burke DD *J Bacteriol* 124: 843-8, Nov 75 (Eng) \*DL/76AUG12

### ANALYTICAL ERROR

FACTORS INFLUENCING EVAPORATION FROM SAMPLE CUPS AND ASSESSMENT OF THEIR EFFECT ON ANALYTICAL ERROR. Burtis CA, Begovich JM, Watson JS *Clin Chem* 21: 1907-17, Dec 75 (Eng) \*DL/76AUG479

### ANDROGEN

DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS. Kochakian CD *Pharmacol Ther [B]* 1: 149-77, 1975 (Eng) [442] DL/76AUG324



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### ANEMIA EFFECT

- [EFFECT OF ANEMIA ON VARIOUS REACTIONS OF THE DOMESTIC SWINE DUE TO PHYSICAL EXERTION. 3. CHANGES IN PLASMA GLUCOSE AND LACTIC ACID CONCENTRATIONS] Bunker U, Steinhardt M, Riehm G, Lyhs L *Arch Exp Veterinarmed* 29: 581-93, 1975 (Ger) \*DL/76AUG905
- [EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERTION. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE] Bunker U, Steinhardt M, Riehm G, Bunker B, Lyhs L *Arch Exp Veterinarmed* 29: 631-40, 1975 (Ger) \*DL/76AUG906

### ANESTHESIA

- [COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

### ANESTHETIC INDUCTION

- RISE IN PLASMA FREE-NOREPINEPHRINE DURING ANESTHETIC INDUCTION WITH KETAMINE. Zsigmond EK, Kelsch RC, Kothary SP *Behav Neuropsychiatry* 6: 81-4, Apr 74-Mar 75 (Eng) \*DL/76AUG909

### ANESTHETIZED DOG

- THE EFFECT OF GLUCAGON ON TOTAL LIVER BLOOD FLOW AFTER OCCLUSION OF THE HEPATIC ARTERY. A STUDY IN ANESTHETIZED, NORMOTENSIVE DOGS. Darle N, Lim RC, Lindberg B *Acta Chir Scand* 142: 43-6, 1976 (Eng) DL/76AUG397
- THE EFFECTS OF THREE VAPORIZABLE FIRE EXTINGUISHING AGENTS ON MYOCARDIAL METABOLISM AND CARDIOVASCULAR DYNAMICS IN THE ANESTHETIZED DOG. Van Stee EW, Harris AM, Horton ML, Back KC *Toxicol Appl Pharmacol* 34: 62-71, Oct 75 (Eng) \*DL/76AUG588

### ANESTHETIZED RAT

- EFFECTS OF HYPOXIA OF 10-45 SECONDS DURATION ON ENERGY METABOLISM IN THE CEREBRAL CORTEX OF UNANESTHETIZED AND ANESTHETIZED RATS. Norberg K, Quistorff B, Siesjö BK *Acta Physiol Scand* 95: 301-10, NOV 75 (Eng) \*DL/76AUG876

### ANGINA PECTORIS

- [ANGINA PECTORIS - CORONARY HEART DISEASE] Gattenlohner W *Schweiz Rev* 14: 16-8, 15 Apr 76 (Ger) DL/76AUG337

### ANGIOPATHY, DIABETIC

- [PHYSIOPATHOLOGY, CLINICAL ASPECTS AND TREATMENT OF DIABETIC ANGIOPATHIES] Ciammaichella A *Clin Ter* 74: 109-21, 31 Jul 75 (Ita) DL/76AUG48
- LETTER: DIAGONAL EAR-LOBE CREASE AND DIABETIC RETINAL ANGIOPATHY. Andersen AR, Christiansen JS, Jensen JK *N Engl J Med* 294: 1182-3, 20 May 76 (Eng) DL/76AUG262

### ANGIOXINE

- [VALUE OF PYRIDINOL CARBAMATE IN OCULAR VASCULAR PATHOLOGY (ANGIOXINE)] Boudet, Millet, Arnaud *Bull Soc Ophthalmol Fr* 74: 977-80, Sep-Oct 74 (Fre) DL/76AUG35

### ANIMAL CELL

- MEMBRANE TRANSPORT OF PURINE AND PYRIMIDINE BASES AND NUCLEOSIDES IN ANIMAL CELLS. Berlin RD, Oliver JM *Int Rev Cytol* 42: 287-336, 1975 (Eng) [122] \*DL/76AUG520

### ANIMAL MODEL

- ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PBB/LD MOUSE. Hunt CE, Lindsey JR, Walkley SU *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93
- ANIMAL MODEL: OBESE HYPERTENSIVE RAT. Koletsky S *Am J Pathol* 81: 463-6, Nov 75 (Eng) \*DL/76AUG881

### ANOMALY

- AN ANOMALY OF INSULIN REMOVAL IN PERFUSED LIVERS OF OBESE-HYPERGLYCEMIC (OB/OB) MICE. Karakash C, Assimakopoulos-Jeanet F, Jeanrenaud B *J Clin Invest* 57: 1117-24, May 76 (Eng) DL/76AUG148

### ANOXIA

- ACCELERATIVE EXCHANGE DIFFUSION KINETICS OF GLUCOSE BETWEEN BLOOD AND BRAIN AND ITS RELATION TO TRANSPORT DURING ANOXIA. Betz AL, Gilboe DD, Drewes LR *Biochim Biophys Acta* 401: 416-28, 2 Sep 75 (Eng) \*DL/76AUG624

### ANTAGONIST

- INHIBITION OF PANCREATIC ISLET MONOAMINE OXIDASE BY ADRENERGIC ANTAGONISTS AND ETHANOL. Feldman JM *Endocr Res Commun* 2: 503-20, 1975 (Eng) DL/76AUG67
- POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN. Marco J, Hedo JA, Martinelli J, Calle C, Villanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

### ANTHRONE METHOD

- INCREASING THE SENSITIVITY OF THE ANTHRONE METHOD FOR CARBOHYDRATE. Jermy MA *Anal Biochem* 68: 332-5, Sep 75 (Eng) \*DL/76AUG885

### ANTIAGGREGATION AGENT

- LETTER: OLIGOPEPTIDES AS POTENTIAL ANTIAGGREGATION AGENT FOR PROTEINS: HEMOGLOBIN S GEL AND INSULIN DIMER. Kubota S, Chang CT, Samejima T, Yang JT *J Am Chem Soc* 98: 2677-8, 28 Apr 76 (Eng) DL/76AUG154

### ANTIBIOTIC

- [MACROLID ANTIBIOTICS AND ADRENALIN-INDUCED HYPERGLYCEMIA] Hugues FC, Julien D *Therapie* 30: 455-7, May-Jun 75 (Fre) DL/76AUG352

### ANTIBODY

- RESEARCH ON A NEW TYPE OF ANTIINSULIN ANTIBODY IN A DIABETIC FEMALE PA-

TIENT: THE CYTOTOXIC ANTIBODY. ANTIINSULIN CYTOTOXIC ANTIBODY. Mathov E, Greiding L *Allergol Immunopathol (Madr)* 4: 1-14, Jan-Feb 76 (Eng) DL/76AUG424

### ANTICONVULSIVE PREMEDICATION

- EFFECT OF ELECTROCONVULSIVE THERAPY WITHOUT ANTICONVULSIVE PREMEDICATION ON SERUM GROWTH HORMONE IN MAN. Vigas M, Stowasserova N, Nemeth S, Jurcovicova J *Horm Res* 6: 65-70, 1975 (Eng) \*DL/76AUG691

### ANTIDIABETIC

- COMPARISON OF DAILY BLOOD SUGAR PROFILES IN DIABETICS UNDER TREATMENT WITH DIFFERENT ORAL ANTI-DIABETIC DRUGS. PP. 299-303. Stratmann FW In O Scheving LE, et al., ed. *Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG187

- [DIABETES THERAPY WITH A NEW ANTI-DIABETIC PRO-DIABAN] Dols W *Ther Ggw* 115: 428-36, Mar 76 (Ger) DL/76AUG351

### ANTIGEN

- RECOGNITION OF ANTIGEN BY B AND T LYMPHOCYTES. Roelants GE *Adv Exp Med Biol* 66: 409-12, 1976 (Eng) DL/76AUG422

### ANTIGLYCOLYTIC AGENT

- SODIUM IODOACETATE AS AN ANTIGLYCOLYTIC AGENT IN BLOOD SAMPLES. Marbach EP, McLean M, Scham M, Jones T *Clin Chem* 21: 1810-2, Nov 75 (Eng) \*DL/76AUG658

### ANTIINSULIN

- RESEARCH ON A NEW TYPE OF ANTIINSULIN ANTIBODY IN A DIABETIC FEMALE PATIENT: THE CYTOTOXIC ANTIBODY. ANTIINSULIN CYTOTOXIC ANTIBODY. Mathov E, Greiding L *Allergol Immunopathol (Madr)* 4: 1-14, Jan-Feb 76 (Eng) DL/76AUG424

### ANTIINSULIN ANTIBODY

- RESEARCH ON A NEW TYPE OF ANTIINSULIN ANTIBODY IN A DIABETIC FEMALE PATIENT: THE CYTOTOXIC ANTIBODY. ANTIINSULIN CYTOTOXIC ANTIBODY. Mathov E, Greiding L *Allergol Immunopathol (Madr)* 4: 1-14, Jan-Feb 76 (Eng) DL/76AUG424

### AORTA

- FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. IV. INFLUENCE OF INSULIN AND EPINEPHRINE ON LIPOGENESIS FROM (14C)-U-GLUCOSE. Somer JB, Schwartz CJ *Exp Mol Pathol* 24: 129-41, Apr 76 (Eng) DL/76AUG88
- RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISOLATED AFTER AORTIC CONSTRICTION, STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT. Wollenberger A, Kleitke B *Recent Adv Stud Cardiac Struct Metab* 3: 535-50, 1973 (Eng) \*DL/76AUG804
- CLONAL CHARACTERISTICS OF FIBROUS PLAQUES AND FATTY STREAKS FROM HUMAN AORTAS. Pearson TA, Wang BA, Solez K, Heptinstall RH *Am J Pathol* 81: 379-87, Nov 75 (Eng) \*DL/76AUG880



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## AORTA

### APOPROTEIN, PLASMA

CARBOHYDRATE CONTENT OF HUMAN VLDL, IDL, LDL, AND HDL PLASMA APOPROTEINS FROM FASTING NORMAL AND HYPERLIPIDEMIC PATIENTS. Fontaine M, Malmendier CL *Clin Chim Acta* 64: 91-3, 1 Oct 75 (Eng) \*DL/76AUG662

### AQUEOUS HUMOR

BIOCHEMICAL STUDIES ON THE AQUEOUS HUMOUR OF RHESUS MONKEYS (MACACA MULATTA). Heywood R, Street AE *J Med Primatol* 4: 296-8, 1975 (Eng) \*DL/76AUG727

### ARACHIDONATE

INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS. Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

### ARGININE

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

XYLITOL: STIMULATION OF INSULIN AND INHIBITION OF GLUCAGON RESPONSES TO ARGININE IN MAN. Seino Y, Taminato T, Inoue Y, Goto Y, Ikeda M *J Clin Endocrinol Metab* 42: 736-43, Apr 76 (Eng) DL/76AUG146

### ARGININE HOMOLOGOUS EFFECT

EFFECTS OF ARGININE HOMOLOGOUS AND OTHER GUANIDINO COMPOUNDS ON THE ATP LEVEL AND GLUCOSE OXIDATION IN ISOLATED FAT CELLS. Schwegler F, Stock W *Hoppe Seylers Z Physiol Chem* 356: 839-44, Jun 75 (Eng) \*DL/76AUG693

### ARTERIAL CELL

METABOLISM OF SULFATED GLYCOSAMINOGLYCANS IN CULTIVATED BOVINE ARTERIAL CELLS. II. QUANTITATIVE STUDIES ON THE UPTAKE OF 35SO4-LABELED PROTEOGLYCANS. Kresse H, Tekoff W, von Figura K, Buddecke E *Hoppe Seylers Z Physiol Chem* 356: 943-52, Jun 75 (Eng) \*DL/76AUG696

### ARTERIAL DISEASE, PERIPHERAL

METABOLIC AND CARDIOVASCULAR ABNORMALITIES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE. Vyden JK, Thorner J, Nagasawa K, Takano T, Grosset-Dittrich MF, Perlow R, Swan HJ *Am Heart J* 90: 703-8, Dec 75 (Eng) \*DL/76AUG604

### ARTERIAL TISSUE, BOVINE

PURIFICATION AND PROPERTIES OF UDP-GLUCOSE GALACTOSYLHYDROXYLYSINE COLLAGEN GLUCOSYLTRANSFERASE (EC 2.4.1.) FROM BOVINE ARTERIAL TISSUE. Henkel W, Buddecke E *Hoppe Seylers Z Physiol Chem* 356: 921-8, Jun 75 (Eng) \*DL/76AUG695

### ARTERIOPATHY, DIABETIC

[INDICATIONS AND RESULTS OF SURGICAL TREATMENT OF DIABETIC ARTERIOPATHY (APPROPOS OF 196 CASES)]

Levy JB, Rettori R, Olivier C *J Chir (Paris)* 110: 547-50, Dec 75 (Fre) DL/76AUG138

### ARTERIOSCLEROSIS

[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERINSULINISM AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS] Rusconi C, Cicogna R, Orlando G, Guerra U, Peroni A *Minerva Cardioangiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

### ARTERY, CORONARY

LIPID METABOLISM IN HUMAN CORONARY ARTERIES. Bing RJ, Morita T, Hashimoto H, Larsen E *Recent Adv Stud Cardiac Struct Metab* 3: 53-8, 1973 (Eng) \*DL/76AUG803

THE EFFECT OF CARBON MONOXIDE ON LIPID METABOLISM OF HUMAN CORONARY ARTERIES. Sarma JS, Tillmanns H, Ikeda S, Bing RJ *Atherosclerosis* 22: 193-8, Sep-Oct 75 (Eng) \*DL/76AUG922

### ARTERY, HEPATIC

THE EFFECT OF GLUCAGON ON TOTAL LIVER BLOOD FLOW AFTER OCCLUSION OF THE HEPATIC ARTERY. A STUDY IN ANESTHETIZED, NORMOTENSIVE DOGS. Darle N, Lim RC, Lindberg B *Acta Chir Scand* 142: 43-6, 1976 (Eng) DL/76AUG397

### ARTHRITIS, RHEUMATOID

HISTORY OF THE TREATMENT OF RHEUMATOID ARTHRITIS. Hart FD *Br Med J* 1: 763-5, 27 Mar 76 (Eng) DL/76AUG17

### ASCORBIC ACID

ASCORBIC ACID AND ATHLETIC PERFORMANCE. Howald H, Segesser B, Korner WF *Ann NY Acad Sci* 258: 458-64, 30 Sep 75 (Eng) \*DL/76AUG613

### ASPIRATION

PREDICTION OF PROTEIN CONFORMATION: CONSEQUENCES AND ASPIRATIONS. PP. 114-25. Fasman GD, Chou PY *In: Blout ER, et al., ed. Peptides, polypeptides and proteins. New York, Wiley, 1974. WJ3441K 1974p. (Eng) [55] DL/76AUG161*

### ATHEROMATOSIS

[SCINTILLATIO ALBESCENS, DIABETES AND ATHEROMATOSIS] Bryk E *Klin Oczna* 46: 427-30, 1976 (Pol) DL/76AUG215

INITIAL EVENTS IN RADIATION-INDUCED ATHEROMATOSIS I. ACTIVATION OF LYSOSOMAL ENZYMES. Konings AW, Hardonk MJ, Wieringa RA, Lamberts HB *Strahlentherapie* 150: 444-8, Oct 75 (Eng) \*DL/76AUG856

### ATHEROSCLEROSIS

THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE. Kark SI, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202

[DIAGNOSTIC SIGNIFICANCE OF HYPERGLYCEMIC CURVES IN ATHEROSCLEROTIC PSYCHOSIS] Aminov KhA *Lab Delo* 44-4, 1975 (Rus) DL/76AUG219

[ROLE OF NUTRITION IN THE PREVENTION AND TREATMENT OF ATHEROSCLEROSIS] Szostak WB *Wiad Lek* 29: 709-13, 15 Apr 76 (Pol) [0] DL/76AUG375

EXPERIMENTAL ATHEROSCLEROSIS IN THE RAT: BIOCHEMICAL EVALUATION. Testa R, Canestrini C, Oldani C *J Pharm Pharmacol* 27: 699-700, Sep 75 (Eng) \*DL/76AUG725

[RETICULOENDOTHELIAL SYSTEM, LIPID METABOLISM AND ATHEROSCLEROSIS] Vinogradov AG, Denisenko AD *Patol Fiziol Eksp Ter* 3-12, Mar-Apr 75 (Rus) [138] \*DL/76AUG756

THE EFFECT OF DIETARY SUCROSE AND DIFFERENT DIETARY FATS ON HYPERLIPIDAEMIA AND ATHEROSCLEROSIS IN WHITE LEGHORN COCKERELS (GALLUS DOMESTICUS). Worcester NA, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 82a-83a, Sep 75 (Eng) \*DL/76AUG773

EVALUATION OF SERUM CHOLESTEROL REDUCTION AND XANTHINE OXIDASE INHIBITION IN THE TREATMENT OF ATHEROSCLEROSIS. Oster KA *Recent Adv Stud Cardiac Struct Metab* 3: 73-80, 1973 (Eng) \*DL/76AUG810

EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS. Nandan R, Fisher JD, Towery EP, Brown DR, Ganote E, Jennings RB *Atherosclerosis* 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924

### ATHEROSCLEROSIS, CORONARY

[IMMUNOREACTIVE INSULIN IN OBESE PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL.)] Karlicek V, Topolcan O, Chudacek Z *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29

### ATHLETE

[PLASMATIC IMMUNOREACTIVE INSULIN IN TRAINED ATHLETES] Karlicek V, Topolcan O, Jeschke J *Cas Lek Cesk* 115: 324-6, 19 Mar 76 (Cze) DL/76AUG26

### ATP

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### ATPASE

SEE ADENOSINE TRIPHOSPHATASE

### AUTOANALYZER

[A MICROMETHOD FOR THE DETERMINATION OF GLUCOSE IN 20 MICROLITER SAMPLES WITH THE AUTOANALYZER (AUTHORS TRANSL.)] Holm H, Pianezzi A, Scholer A *Z Klin Chem Klin Biochem* 13: 541-3, Dec 75 (Ger) \*DL/76AUG594

### AUTOANTIBODY

ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS. Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

### AUTOIMMUNE

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

### AUTOIMMUNE REACTION

[INFECTION AND AUTOIMMUNE REACTION AS CAUSATIVE FACTORS OF DIABETES]

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### BETA CELL

Nikkila E *Duodecim* 91: 1511-4, 1975 (Fin)  
DL/76AUG64

### AUTOIMMUNITY

AUTOIMMUNITY AND VIRAL INFECTION IN DIABETES MELLITUS. Richens ER, Ancil RJ *Clin Exp Immunol* 23: 40-6, Jan 76 (Eng)  
DL/76AUG45

### AUTONOMIC DYSFUNCTION

LETTER: AUTONOMIC DYSFUNCTION IN DIABETIC KETOACIDOSIS. Page M, Watkins PJ *Lancet* 1: 963, 1 May 76 (Eng)  
DL/76AUG230

### AUTOPSY

EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN. Ueda K, Omae T, Hirota Y, Takeshita M, Hiyoshi Y *J Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

### AUTOREGULATION

AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241

### AUTOXIDATION, LIPID

LIPID OXIDATION IN BIOLOGICAL MEMBRANES. ELECTRON TRANSFER PROTEINS AS INITIATORS OF LIPID AUTOXIDATION. Kaschnitz RM, Hatefi Y *Arch Biochem Biophys* 171: 292-304, Nov 75 (Eng) \*DL/76AUG897

### AXIS

THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

### B CHAIN

[CHAINS A AND B, CIRCULATING FRACTIONS OF INSULIN] Orsetti A *Pathol Biol (Paris)* 23: 849-52, Dec 75 (Fre) DL/76AUG284

### BABOON

STANDARD SERUM CHEMICAL AND HAEMATOLOGICAL VALUES IN THE CHACMA BABOON (*PAPIO URSINUS*). Steyn DG, Hamilton-Bruce RJ, Zuurmond TJ, Pharo R *J S Afr Vet Assoc* 46: 191-6, Jun 75 (Eng) \*DL/76AUG555

BIOCHEMICAL VALUES IN THE NORMAL AND HYPOTHERMIC BABOON *PAPIO CYNOCEPHALUS*/ANUBIS. Phillips CF, Nicolalde AA, Wolfson SK Jr *J Med Primatol* 4: 308-19, 1975 (Eng) \*DL/76AUG728

SOME EFFECTS OF AN ORAL CONTRACEPTIVE ON DIETARY CARBOHYDRATE-LIPID INTERRELATIONS IN THE BABOON. Stovin V, Macdonald I *Proc Nutr Soc* 34: 55a-56a, Sep 75 (Eng) \*DL/76AUG768

### BACTERIA

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND

PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN *E. COLI*. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

PARAMETERS AFFECTING THE RATE OF SYNTHESIS OF RIBOSOMES AND RNA POLYMERASE IN BACTERIA. Bremer H *J Theor Biol* 53: 115-24, Sep 75 (Eng) \*DL/76AUG563

### BAKERS YEAST

TRANSPORT OF 4-DEOXY- AND 6-DEOXY-D-GLUCOSE IN BAKERS YEAST. Kotyk A, Michaljanicova D, Veres K, Soukupova V *Folia Microbiol (Praha)* 20: 496-503, 1975 (Eng) \*DL/76AUG515

### BARIUM ENEMA EXAMINATION

GLUCAGON AND BARIUM ENEMA EXAMINATIONS: A CONTROLLED CLINICAL TRIAL. Harned RK, Stelling CB, Williams S, Wolf GL *Am J Roentgenol* 126: 981-4, May 76 (Eng) DL/76AUG442

### BAROREFLEX

BAROREFLEX SENSITIVITY AND RESPONSES TO THE VALSALVA MANOEUVRE IN SUBJECTS WITH DIABETES MELLITUS. Bennett T, Hosking DJ, Hampton JR *J Neurol Neurosurg Psychiatry* 39: 178-83, Feb 76 (Eng) DL/76AUG194

### BASAL CONDITION

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

### BASAL GLUCOSE PLASMA LEVEL

A NEW FAT-DEPENDENT TIME-MODIFIED RELATIONSHIP BETWEEN BASAL PLASMA GLUCOSE LEVELS AND THE EARLY GLUCOSE RESPONSE TO ORAL GLUCOSE LOADING IN NORMAL HUMAN SUBJECTS. Trenchard PM *Clin Chim Acta* 65: 139-42, 15 Nov 75 (Eng) \*DL/76AUG480

### BASAL-LATERAL PLASMA MEMBRANE

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

### BASEMENT MEMBRANE DEGRADATION

LETTER: ALPHA-2 MACROGLOBULIN AND REDUCED BASEMENT-MEMBRANE DEGRADATION IN DIABETES. Wardle EN *Lancet* 1: 963-4, 1 May 76 (Eng) DL/76AUG231

### BASOMEDIAL HYPOTHALAMUS

DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS. Ramirez VD, Gautron JP, Epelbaum J, Pattou E, Zamora A, Kordon C *Mol*

*Cell Endocrinol* 3: 339-50, Nov 75 (Eng)  
\*DL/76AUG508

### BEAGLE

[STUDY ON THE CHRONIC TOXICITY OF 1-(4-CYCLOHEXYLUREIDOPHENOXY)-2-HYDROXY-3-TERT-BUTYLAMINOPROPANE(TALINOLOL, COR-DANUM, 02-115) IN THE RAT AND THE BEAGLE] Bartsch R, Merbt EM, Riedel H *Pharmazie* 30: 659-68, Oct 75 (Ger) \*DL/76AUG583

EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS. Nandan R, Fisher JD, Towery EP, Brown DR, Ganote E, Jennings RB *Atherosclerosis* 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924

### BECLOMETHASONE

SOME PROPERTIES OF BECLOMETHASONE DIPROPIONATE AND RELATED STEROIDS IN MAN. Harris DM *Postgrad Med J* 51 SUPPL 4: 20-5, 1975 (Eng) \*DL/76AUG582

### BECLOMETHASONE DIPROPIONATE

SOME PROPERTIES OF BECLOMETHASONE DIPROPIONATE AND RELATED STEROIDS IN MAN. Harris DM *Postgrad Med J* 51 SUPPL 4: 20-5, 1975 (Eng) \*DL/76AUG582

### BEDSIDE NURSING

[BEDSIDE NURSING. HEALTH INSTRUCTION FOR DIABETIC PATIENTS] Ishizaka S *Jpn J Nurs* 40: 278-81, Mar 76 (Jpn) DL/76AUG212

### BEEF

EDITORIAL: POLYUNSATURATED BEEF-EATERS. Anonymous *Lancet* 2: 960-1, 15 Nov 75 (Eng) \*DL/76AUG567

### BENGALENOSIDE

HYPOGLYCAEMIC ACTION OF BENGALENOSIDE, A GLUCOSIDE ISOLATED FROM *FICUS BENGALENSIS* LINN, IN NORMAL AND ALLOXAN DIABETIC RABBITS. Augusti KT *Indian J Physiol Pharmacol* 19: 218-20, Oct-Dec 75 (Eng) DL/76AUG121

### BETA BLOCKING

[LETTER: HYPOGLYCEMIA DURING BETA BLOCKING TREATMENT] Certin M, Wechsler B, Blettry O, Godeau P *Nouv Presse Med* 5: 862, 27 Mar 76 (Fre) DL/76AUG296

### BETA CELL

AN IMPROVED CONTROL ALGORITHM FOR AN ARTIFICIAL BETA-CELL. Botz CK *IEEE Trans Biomed Eng* 23: 252-5, May 76 (Eng) DL/76AUG117

VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS. Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaisse WJ *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

## Diabetes Literature—Keyword Index

### BETA-GLUCURONIDASE

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl LA, Lernmark A, Tajedal IB, Thomas EW. *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

### BETA-GLUCURONIDASE

LIVER MICROSOMAL BETA-GLUCURONIDASE AND UDP-GLUCURONYLTRANSFERASE. Schollhammer I, Poll DS, Bickel MH. *Enzyme* 20: 269-76, 1975 (Eng) \*DL/76AUG496

### BETA-MIMETIC DRUG

AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR. Esteban-Altrierra J, Rene AM, Duran P, Cabero L, Giralte E, Carreras M, Garcia-Cambronero MT. *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724

### BIGUANIDE

[TREATMENT OF PRIMARY HYPERLIPOPROTEINEMIAS TYPE IV WITH DIFFERENT BIGUANIDES (AUTHORS TRANSL.)] Weisweiler P, Schwandt P. *Klin Wochenschr* 54: 283-5, 15 Mar 76 (Ger) DL/76AUG216

[LACTIC ACIDOSIS INDUCED BY BIGUANIDES] Assan R, Heuclin C, Girard JR, Attali JR. *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297

### BILE ACID

INFLUENCE OF CHOLESTEROL FEEDING ON LIVER MICROSOMAL METABOLISM OF STEROIDS AND BILE ACIDS IN CONVENTIONAL AND GERM-FREE RATS. Gustafsson BE, Einarsson K, Gustafsson J. *J Biol Chem* 250: 8496-502, 10 Nov 75 (Eng) \*DL/76AUG529

### BILEAFLET MEMBRANE

MODIFICATION OF INTENSITY AND DIRECTION OF ELECTRON FLOW ACROSS BILEAFLET MEMBRANES. Chen CH, Berns DS. *Proc Natl Acad Sci USA* 72: 3407-11, Sep 75 (Eng) \*DL/76AUG762

### BINDING

[COOPERATIVE BINDING OF TOLBUTAMIDE BY ISOLATED RAT ISLETS OF LANGERHANS] Alric R, Manteghetti M, Puech R, Lignon F, Loubatieres A. *C R Acad Sci [D] (Paris)* 281: 2029-32, 22 Dec 75 (Fre) DL/76AUG38

BINDING AND DEGRADATION OF INSULIN BY HUMAN PERIPHERAL GRANULOCYTES. DEMONSTRATION OF SPECIFIC RECEPTORS WITH HIGH AFFINITY. Fussganger RD, Kahn CR, Roth J, De Meyts P. *J Biol Chem* 251: 2761-9, 10 May 76 (Eng) DL/76AUG134

QUANTITATIVE DETERMINATION OF SEX HORMONE-BINDING GLOBULIN CAPACITY IN THE PLASMA OF NORMAL AND DIABETIC PREGNANCIES. De Hertogh R, Thomas K, Vanderheyden I. *J Clin Endocrinol Metab* 42: 773-7, Apr 76 (Eng) DL/76AUG147

MECHANISM OF NUCLEOTIDE INHIBITION OF GONADOTROPIN BINDING TO CELL MEMBRANES OF BOVINE CORPUS LUTEUM. Rao CV. *Mol Cell Endocrinol* 3: 255-71, Oct 75 (Eng) \*DL/76AUG507

HEART HEXOKINASE: QUATERNARY STRUCTURE CHANGES ACCOMPANYING THE BINDING OF REGULATORY MOLECULES. Easterby JS. *Eur J Biochem* 58: 231-5, 1 Oct 75 (Eng) \*DL/76AUG676

BINDING OF ADENOSINE DIPHOSPHATE TO INTACT HUMAN PLATELETS. Born GV, Feinberg H. *J Physiol (Lond)* 251: 803-16, Oct 75 (Eng) \*DL/76AUG726

RAPID CHANGES IN RAT PINEAL BETA-ADRENERGIC RECEPTOR: ALTERATIONS IN L-(3H)ALPRENOLOL BINDING AND ADENYLATE CYCLASE. Kebabian JW, Zatz M, Romero JA, Axelrod J. *Proc Natl Acad Sci USA* 72: 3735-9, Sep 75 (Eng) \*DL/76AUG766

CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC ACTION AND BINDING TO AND DISSOCIATION FROM NA&K-ATPASE IN VITRO. Akera T, Baskin SI, Tobin T, Brody TM. *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG818

BINDING OF CARDIOLIPIN/LECITHIN AND MONOAMINE OXIDASE TO LIPID-DEPLETED MITOCHONDRIAL MEMBRANE STRUCTURE. Ekstedt B, Olivecrona T, Oreland L. *Arch Biochem Biophys* 171: 170-5, Nov 75 (Eng) \*DL/76AUG896

### BINDING CAPACITY

EFFECT OF FRACTIONATED INSULINS ON TOTAL PLASMA INSULIN BINDING CAPACITY AND INSULIN REQUIREMENTS IN SEVERE DIABETES. Oakley NW. *Lancet* 1: 994-6, 8 May 76 (Eng) DL/76AUG233

### BIOELECTROCHEMICAL CELL

THE RESPONSE OF A BIOELECTROCHEMICAL CELL WITH SACCHAROMYCES CEREVISIAE METABOLIZING GLUCOSE UNDER VARIOUS FERMENTATION CONDITIONS. Videla HA, Arvia AJ. *Biotechnol Bioeng* 17: 1529-43, Oct 75 (Eng) \*DL/76AUG641

### BIOGENESIS

BIOGENESIS OF MICROSOMAL MEMBRANE GLYCOPROTEINS IN RAT LIVER. II. PURIFICATION OF SOLUBLE GLYCOPROTEINS AND THEIR INCORPORATION INTO MICROSOMAL MEMBRANES. Autuori F, Svensson H, Dallner G. *J Cell Biol* 67: 700-14, Dec 75 (Eng) \*DL/76AUG536

### BIOPHYSICAL

BIOCHEMICAL AND BIOPHYSICAL CHANGES IN GUINEA PIGS AFTER ACUTE HEAD INJURY. Hausdoerfer J, Heller W, Schinkmann L. *Resuscitation* 4: 77-86, 1975 (Eng) \*DL/76AUG586

### BIPHASIC RESPONSE

BIPHASIC RESPONSE ON ORAL GLUCOSE TOLERANCE TESTING IN MYOTONIC DYSTROPHY. Russell D, Sjaastad O. *Acta Neurol Scand* 53: 226-8, Mar 76 (Eng) DL/76AUG411

### BIRTH

STORAGE AND SUPPLY OF FATTY ACIDS BEFORE AND AFTER BIRTH. Hull D. *Br Med Bull* 31: 32-6, Jan 75 (Eng) \*DL/76AUG644

### BLADDER

THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER. Chlapowski FJ. *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

INSULIN STIMULATES ACTIVE SODIUM TRANSPORT IN TOAD BLADDER BY TWO

MECHANISMS. Wiesmann WP, Sinha S, Klahr S. *Nature* 260: 546-7, 8 Apr 76 (Eng) DL/76AUG272

ABNORMALITIES OF BLADDER INNERVATION IN DIABETES MELLITUS. Andersen JT, Bradley WE. *Urology* 7: 442-8, Apr 76 (Eng) DL/76AUG356

### BLEOMYCIN

PENETRATION OF TARGET AREAS IN THE RAT BY LIPOSOME-ASSOCIATED BLEOMYCIN, GLUCOSE OXIDASE AND INSULIN. Dapergol G, Neerunjun ED, Gregoriadis G. *FEBS Lett* 63: 235-9, 1 Apr 76 (Eng) DL/76AUG91

### BLOCKING AGENT

SELECTIVE INHIBITION OF CHOLERA TOXIN- AND CATECHOLAMINE-STIMULATED LIPOLYSIS BY BLOCKING AGENTS. Katz MS, Greenough WB. *3d Infect Immun* 12: 964-8, Nov 75 (Eng) \*DL/76AUG519

THE EFFECT OF ADRENALINE AND OF ALPHA- AND BETA-ADRENERGIC BLOCKING AGENTS ON ATP CONCENTRATION AND ON INCORPORATION OF 32PI INTO ATP IN RAT FAT CELLS. Stein JM. *Biochem Pharmacol* 24: 1659-62, 15 Sep 75 (Eng) \*DL/76AUG916

### BLOOD

[INSULIN CONTENT OF RAT BLOOD FOLLOWING INJURY TO THE VENTROMEDIAL SECTION OF THE HYPOTHALAMUS] Goldberg RS, Kasatkin IuN, Lazaris Ial, Smirnova LK. *Bull Eksp Biol Med* 79: 40-3, Jun 75 (Rus) DL/76AUG9

[RATE OF BLOOD OXYGEN OUTPUT IN CERTAIN TYPES OF OCULAR PATHOLOGY] Zaretskaia RB, Trutneva KV, Epshtein IM, Mikhailova NA. *Vestn Ophthalmol* 19-22, Jul-Aug 75 (Rus) DL/76AUG358

[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES] Milewicz A, Stepień-Dobrowolska M, Szklarz E, Glebowska H, Gladysz A, Czarnowska J. *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST. Papic Z, Katona G, Crepinko I, Skrabalo Z. *Acta Diabetol Lat* 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

[EFFECT OF ACUTE COLD EXPOSURE ON BLOOD COMPOSITION IN RATS TREATED WITH 6-HYDROXYDOPAMINE (AUTHORS TRANSL.)] Honma K, Fukushima N, Maekubo H, Itoh S. *Hokkaido J Med Sci* 50: 299-303, May 75 (Jpn) \*DL/76AUG517

[DIAGNOSTIC EVALUATION OF VARIOUS BLOOD VALUES IN THE HORSE] Kraft W, Mayer H, Eikmeier H. *Tierarztl Prax* 3: 199-204, 1975 (Ger) \*DL/76AUG587

[EFFECT OF VEGETABLE POLYPHENOLS ON THE LEVEL OF GLYCOPEN IN THE TISSUES AND GLUCOSE IN THE BLOOD OF STARVING RABBITS] Shamrai EF, Stroeve LM, Shuliakivska TO. *Ukr Biokhim Zh* 47: 107-9, Jan-Feb 75 (Ukr) \*DL/76AUG589

ACCELERATIVE EXCHANGE DIFFUSION KINETICS OF GLUCOSE BETWEEN BLOOD AND BRAIN AND ITS RELATION TO TRANSPORT DURING ANOXIA. Betz AL, Gilboe DD, Drewes LR. *Biochim Biophys Acta* 401: 416-28, 2 Sep 75 (Eng) \*DL/76AUG624

## Diabetes Literature—Keyword Index

### BLOOD SUGAR

[INFLUENCE OF MUSCULAR EXERCISE ON BLOOD CATECHOLAMINE LEVELS IN RATS] Rodigas P, Cession-Fossion A, Lecomte J C R Soc Biol (Paris) 169: 257-61, 1975 (Fre) \*DL/76AUG649

ACUTE BLOOD BIOCHEMICAL ALTERATIONS IN RESPONSE TO MARATHON RUNNING. Maron MB, Horvath SM, Wilkerson JE Eur J Appl Physiol 34: 173-81, 15 Aug 75 (Eng) \*DL/76AUG672

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prols H, Messmer K, Bucklein R, Lob G, Mehnert H, Brendel W Digestion 12: 221-31, 1975 (Eng) \*DL/76AUG688

VARIATIONS IN THE COMPOSITION OF BLOOD AND URINE FOLLOWING THE INGESTION OF A HIGH-PROTEIN DIET. Heeley DM, Sharman IM, Cooper DF Proc Nutr Soc 34: 69a, Sep 75 (Eng) \*DL/76AUG771

[CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS] Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanesco I, Bena A, Stefan O Rev Ig [Pneumofiziol] 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843

THE DEPRESSIONAL INFLUENCE OF AMMONIA ON THE LEVEL OF BLOOD AMINO ACIDS IN WETHERS AND BULLS. Kulasek G Zentralbl Veterinarmed [A] 22: 493-500, Aug 75 (Eng) \*DL/76AUG868

[CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA] Hadlich M, Kolb E Arch Exp Veterinarmed 29: 379-95, Jun 75 (Ger) \*DL/76AUG904

### BLOOD COAGULATION

[CHANGES IN BLOOD COAGULATION IN DIABETIC NEPHROPATHY] Astrug A, Khristov L, Stamenova T Vutr Boles 14: 69-75, 1975 (Bul) DL/76AUG369

### BLOOD FLOW

THE EFFECT OF GLUCAGON ON TOTAL LIVER BLOOD FLOW AFTER OCCLUSION OF THE HEPATIC ARTERY. A STUDY IN ANESTHETIZED, NORMOTENSIVE DOGS. Darle N, Lim RC, Lindberg B Acta Chir Scand 142: 43-6, 1976 (Eng) DL/76AUG397

CONTINUOUS ESTIMATION OF ADIPOSE TISSUE BLOOD FLOW IN RATS BY 133XE ELIMINATION. Madsen J, Malchow-Moller A, Waldorff S J Appl Physiol 39: 851-6, Nov 75 (Eng) \*DL/76AUG709

THE RESPONSE OF BLOOD FLOW TO ALTERED PERFUSION PRESSURE IN CANINE ADIPOSE TISSUE. Ballard K, Allipoulos JC Proc Soc Exp Biol Med 150: 65-70, Oct 75 (Eng) \*DL/76AUG780

### BLOOD GLUCOSE

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G Jr Horm Metab Res 8: 151-2, Mar 76 (Eng) DL/76AUG112

EFFECT OF STREPTOZOTOCIN ON THE BLOOD GLUCOSE LEVEL AND HISTOLOGY OF THE PRINCIPAL ISLETS OF CHANNA

PUNCTATUS (BLOCH). Gill TS, Khanna SS Z Mikrosk Anat Forsch 89: 319-26, 1975 (Eng) DL/76AUG391

COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST. Papic Z, Katona G, Crepinko I, Skrabalo Z Acta Diabetol Lat 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

[GLUCOSE CONCENTRATION IN BLOOD DURING EXERTION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCITION IN VARIOUS BREEDS OF SWINE] Bunker U, Steinhart M, Riehm G, Gohler H, Bunker B, Lyhs L Arch Exp Veterinarmed 29: 83-97, 1975 (Ger) \*DL/76AUG617

BLOOD GLUCOSE AND TISSUE GLYCOGEN LEVELS IN TURKEY POULTS WITH SPONTANEOUS ROUND HEART DISEASE AND FU-RAZOLIDONE-INDUCED CARDIOMYOPATHY. Czarnecki CM, Reneau JK, Janus EF Avian Dis 19: 773-80, Oct-Dec 75 (Eng) \*DL/76AUG619

BLOOD GLUCOSE PROFILES IN MAN AFTER INGESTION OF GLUCOSE SYRUP FRAC-TIONS. Kearsley M, Fairhurst E, Green LF Proc Nutr Soc 34: 60a-61a, Sep 75 (Eng) \*DL/76AUG769

ELEVATED BLOOD GLUCOSE LEVELS AND SATIETY IN THE RAT. Wilson WH, Heller HC Physiol Behav 15: 137-43, Aug 75 (Eng) \*DL/76AUG784

[NEW QUANTITATIVE DETERMINATION OF GLUCOSE IN BLOOD OR SERUM] Anonymous Ther Ggw 114: 1465-6, Sep 75 (Ger) \*DL/76AUG848

[EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERCITION. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE] Bunker U, Steinhart M, Riehm G, Bunker B, Lyhs L Arch Exp Veterinarmed 29: 631-40, 1975 (Ger) \*DL/76AUG906

### BLOOD INSULIN

AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M Metabolism 25: 375-84, Apr 76 (Eng) DL/76AUG241

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBESE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H Arch Fr Pediatr 32: 247-57, Mar 75 (Fre) DL/76AUG459

### BLOOD, PERIPHERAL

[ABSOLUTE VALUE OF EOSINOPHILS IN A CUBE MILLIMETER OF PERIPHERAL BLOOD FOLLOWING GLUCAGON LOADING] Jablonska-Ulbrich A, Ordynski J Pediatr Pol 51: 391-6, Apr 76 (Pol) DL/76AUG290

### Blood Plasma

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszyk J

Physiol Bohemoslov 25: 7-11, 1976 (Eng) DL/76AUG325

### BLOOD PRESSURE

[EVOLUTION OF THE DIABETIC RETINOTHERAPY IN CONNECTION WITH THE TYPE AND DURATION OF DIABETES, PATIENTS AGE AND BLOOD PRESSURE (AUTHORS TRANSL)] Civeira F, Civeira E Folia Clin Int (Bare) 25: 524-37, Oct 75 (Spa) DL/76AUG94

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhomberg P, Dyer A, Berkson DM, Reedus W, Wannamaker J J Chronic Dis 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J J Chronic Dis 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

THE EFFECT OF ETHYLURETHANE ON HEMATOCRIT, BLOOD PRESSURE AND PLASMA-GLUCOSE. Van Der Meer C, Versluis-Broers JA, Tuynman HA, Buur VA Arch Int Pharmacodyn Ther 217: 257-75, Oct 75 (Eng) \*DL/76AUG901

### BLOOD SAMPLE

SODIUM IODOACETATE AS AN ANGLYCOLYTIC AGENT IN BLOOD SAMPLES. Marbach EP, McLean M, Scharn M, Jones T Clin Chem 21: 1810-2, Nov 75 (Eng) \*DL/76AUG658

A DESIGN IMPROVEMENT IN CONTINUOUS BLOOD SAMPLING AND ANALYSIS FOR GLUCOSE IN REST AND EXERCISE. Tzankoff SP, Leatherman NE, Robinson S J Appl Physiol 39: 873-4, Nov 75 (Eng) \*DL/76AUG710

### BLOOD SERUM

HABITUAL EXERCISERS: A BLOOD SERUM AND PERSONALITY PROFILE. Jette M J Sports Med 3: 12-7, Jan-Feb 75 (Eng) \*DL/76AUG561

### BLOOD SOMATOTROPIN

[BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBESE SUBJECTS] Lanzara P, Marozzi P, Carmina E, Janni A Pediatra (Napoli) 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291

### BLOOD SUGAR

DIURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG Horm Metab Res 8: 85-8, Mar 76 (Eng) DL/76AUG113

COMPARISON OF DAILY BLOOD SUGAR PROFILES IN DIABETICS UNDER TREATMENT WITH DIFFERENT ORAL ANTI-DIABETIC DRUGS. PP. 299-303. Stratmann FW Ino Scheving LE, et al., ed. Chromobiology. Tokyo, Igaku Shoin, 1974. QT 167 C357 1971. (Eng) DL/76AUG187

LETTER: GLUCAGON AND BLOOD SUGAR. Anonymous N Engl J Med 294: 1238-40, 27 May 76 (Eng) DL/76AUG266



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### BLOOD, VENOUS

[POSTPRANDIAL LEVELS OF BLOOD SUGAR, CHOLESTEROL AND TOTAL LIPIDS IN A GROUP OF NORMAL STUDENTS] Sneed A, Buie C, Dugher E, Dimitriu M *Rev Med Chir Soc Med Nat Iasi* 79: 555-60, Oct-Dec 75 (Rum) DL/76AUG333

[COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415

[COURSE OF BLOOD SUGAR AND EOSINOPHIL COUNT DURING PREGNANCY IN CATTLE] Talos V, Roth G, Pop P, Trif A *Dtsch Tierärztl Wochenschr* 82: 286-8, 5 Jul 75 (Ger) \*DL/76AUG495

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### BLOOD, VENOUS

METABOLISM OF 14C-DEHYDROEPIANDROSTERONE IN FEMALE ADIPOSE TISSUE AND VENOUS BLOOD. Schindler AE, Aymar M *Endocrinol Exp (Bratisl)* 9: 215-22, Sep 75 (Eng) \*DL/76AUG668

### BLOOD VOLUME

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[EVALUATION OF THE ABILITY TO REGULATE BLOOD VOLUME UNDER STANDARDIZED MOTORIC STRESS] Bunge U, Steinhilber M, Lyhs L *Arch Exp Veterinaarmed* 29: 265-79, 1975 (Ger) \*DL/76AUG618

### BLOOD-BRAIN TRANSFER

INDUCTION PROCESSES IN BLOOD-BRAIN TRANSFER OF KETONE BODIES DURING STARVATION. Gjedde A, Crone C *Am J Physiol* 229: 1165-9, Nov 75 (Eng) \*DL/76AUG609

### BODY

[STUDY OF THE CONTENT OF TOTAL POTASSIUM IN PATIENTS WITH DIABETES MELLITUS BY THE METHOD OF WHOLE BODY RADIOMETRY] Ershova LM, Gabunia RI, Kaplan MA *Ter Arkh* 47: 117-9, 1975 (Rus) DL/76AUG348

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### BODY COMPOSITION

THE EFFECTS OF DEXAMETHASONE AND STARVATION ON BODY COMPOSITION AND REGIONAL ADIPOSE TISSUE CELLULARITY IN THE RAT. Krotkiewski M, Bjornorp P *Acta Endocrinol (Kbh)* 80: 667-75, Dec 75 (Eng) \*DL/76AUG871

### BODY FLUID

THE PRESENCE OF INSULIN IN AND SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS. Ishay J, Gitter S, Galun R, Doron M, Laron Z *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58

[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL)] Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

### BODY SIZE

BODY SIZE AND WHOLE BLOOD SUGAR CONCENTRATIONS IN MAMMALS. Umminger BL *Comp Biochem Physiol [A]* 52: 455-8, 1 Nov 75 (Eng) \*DL/76AUG666

### BODY TEMPERATURE

INFLUENCE OF PHENOXYBENZAMINE ON METHAMPHETAMINE-INDUCED CHANGES IN LOCOMOTOR ACTIVITY, OXYGEN CONSUMPTION, BODY TEMPERATURE AND SOME METABOLIC PARAMETERS. Estler CJ *Neuropharmacology* 14: 779-83, Oct 75 (Eng) \*DL/76AUG577

### BODY WEIGHT

TEMPERATURE-INDUCED CHANGES IN METABOLISM AND BODY WEIGHT OF CATTLE (BOS TAURUS). Young BA *Can J Physiol Pharmacol* 53: 947-53, Oct 75 (Eng) \*DL/76AUG475

### BONE

FACTORS INFLUENCING BONE FORMATION IN ORGAN CULTURE. Raisz LG, Dietrich JW, Canalis EM *Isr J Med Sci* 12: 108-14, Feb 76 (Eng) DL/76AUG130

### BONE MARROW

[A BONE MARROW FACTOR CAUSING HYPERGLYCEMIA AND GLYCOSURIA: RELEASED GLUCOSE COMES FROM GENERAL GLYCOGENOLYSIS, ESPECIALLY IN MUSCLE] Thomas JA *C R Acad Sci [D] (Paris)* 281: 1995-9, 22 Dec 75 (Fre) DL/76AUG37

### BOWEL, SMALL

INTESTINAL ABSORPTION FOLLOWING SMALL-BOWEL RESECTION. Perry M *Ann R Coll Surg Engl* 57: 139-47, Sep 75 (Eng) \*DL/76AUG892

### BRAIN

THE ROLE OF BRAIN MONAMINES IN THE SUSCEPTIBILITY TO SEIZURES BROUGHT ABOUT BY CHEMICAL AND ELECTRICAL STIMULATIONS. PP. 259-72. Pfeiffer AK, Unyi G *Ino Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 1631H* 1971. (Eng) DL/76AUG181

[HYPOGLYCEMIA AS A CAUSE OF BRAIN CHANGES] Rossi E *Pediatrics (Napoli)* 83: 424-33, 30 Sep 75 (Ita) DL/76AUG292

ACCELERATIVE EXCHANGE DIFFUSION KINETICS OF GLUCOSE BETWEEN BLOOD AND BRAIN AND ITS RELATION TO TRANSPORT DURING ANOXIA. Betz AL, Gilboe DD, Drewes LR *Biochim Biophys Acta* 401: 416-28, 2 Sep 75 (Eng) \*DL/76AUG624

### BRAN

LETTER: METABOLIC EFFECTS OF BRAN. Leeds A, Gassull MA, Jenkins DJ, Alberti KG *Br Med J* 1: 900-1, 10 Apr 76 (Eng) DL/76AUG22

### BREAST CANCER, HUMAN

STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE. PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G *Ino Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h* 1975. (Eng) DL/76AUG184

### BREVI BACTERIUM LIQUEFACIENS

BREVI BACTERIUM LIQUEFACIENS ADENYLATE CYCLASE AND ITS IN VIVO STIMULATION BY PYRUVATE. Lynch TJ, Tallant EA, Cheung WY *J Bacteriol* 124: 1106-12, Dec 75 (Eng) \*DL/76AUG524

### BRITISH

PREVENTION OF CORONARY HEART DISEASE. REPORT OF A JOINT WORKING PARTY OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND THE BRITISH CARDIAC SOCIETY. Anonymous *J R Coll Physicians Lond* 10: 213-75, Apr 76 (Eng) DL/76AUG200

### BROMOCRIPTINE

SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY. Casar J, Mashiter K, Sullivan G, Joplin GF *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408

BROMOCRIPTINE THERAPY IN ACROMEGALY. Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

### BRONCHIAL CARCINOMA

[BRONCHIAL CARCINOMA WITH SECRETION OF ACTH AND HCG (AUTHORS TRANSL)] De Leeuw I, van den Bergh O, Abs R *Acta Tuberc Pneumol Belg* 66: 361-7, Jul-Oct 75 (Dut) DL/76AUG423

### BROWNIAN MOTION

BROWNIAN MOTION IN BIOLOGICAL MEMBRANES. Saffman PG, Delbruck M *Proc Natl Acad Sci USA* 72: 3111-3, Aug 75 (Eng) \*DL/76AUG761

### BRUSH BORDER

ISOLATION OF GLUCOSE BINDING PROTEIN FROM BRUSH BORDER MEMBRANES OF RAT KIDNEY CORTEX. Thomas L *Curr Probl Clin Biochem* 4: 51-5, 1975 (Eng) \*DL/76AUG492

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

ENERGETICS OF THE NA<sup>+</sup>-DEPENDENT TRANSPORT OF D-GLUCOSE IN RENAL BRUSH BORDER MEMBRANE VESICLES. Beck JC, Sacktor B *J Biol Chem* 250: 8674-80, 25 Nov 75 (Eng) \*DL/76AUG715



# BULLOSIS IDIOPATHICA

[CUTANEOUS CHANGES IN DIABETES MELITUS WITH SPECIAL REFERENCE TO BULLOSIS IDIOPATHICA] Cubela V, Lusicky B, Ivankovic E *Dermatol Monatsschr* 161: 217-9, Mar 75 (Ger) DL/76AUG95

# BUTANEDIOL

BUTANEDIOL AND LIPID METABOLISM. Romos DR, Belo PS, Leveille GA *Fed Proc* 34: 2186-90, Nov 75 (Eng) \*DL/76AUG683

# 1,3-BUTANEDIOL

EFFECTS OF 1,3-BUTANEDIOL AND 1,2-PROPANEDIOL ON BLOOD KETONE BODIES AND GLUCOSE IN SHEEP FED RESTRICTED DIETS. Emmanuel B, Nahapetian A *J Anim Sci* 41: 1468-73, Nov 75 (Eng) \*DL/76AUG523

USE OF 1,3-BUTANEDIOL FOR LACTATION AND GROWTH IN CATTLE. Young JW *Fed Proc* 34: 2177-81, Nov 75 (Eng) \*DL/76AUG682

# BYPASS, FEMOROPOPLITEAL

FEMOROPOPLITEAL BYPASS FOR SALVAGE AND CLAUDICATION: A COMPARISON OF LONG-TERM RESULTS. Martin CE, Foster JH *South Med J* 69: 420-3, Apr 76 (Eng) DL/76AUG340

THE SEQUENTIAL FEMOROPOPLITEAL BYPASS GRAFT. A FIVE YEAR EXPERIENCE. Friedmann P, DeLaurentis DA, Rhee SW *Am J Surg* 131: 452-6, Apr 76 (Eng) DL/76AUG443

# BYPASS, ILEAL

FATTY ACID PATTERNS OF SERUM TRIGLYCERIDES AND SUBCUTANEOUS ADIPOSE TISSUES AFTER ILEAL BYPASS IN OBESITY. Kallner A, Hallberg D, Backman L *Scand J Gastroenterol* 10: 763-7, 1975 (Eng) \*DL/76AUG846

# BYPASS, JEJUNOILEAL

CERTAIN METABOLIC CONSEQUENCES OF JEJUNOILEAL BYPASS. Bendezu R, Wieland RG, Green SG, Hallberg MC, Marsters RW *Am J Clin Nutr* 29: 366-70, Apr 76 (Eng) DL/76AUG426

# CALCITONIN

[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palummeri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

[PLASMA CALCITONIN LEVELS AND METABOLIC EFFECTS OF PORCINE CALCITONIN IN NEWBORN LAMBS (AUTHORS TRANSL)] Barlet JP, Michel MC, Theriez M, Savajol H, Garel JM *J Physiol (Paris)* 68: 519-29, 1974 (Fre) \*DL/76AUG554

# CALCITONIN SECRETION

CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES. Roos BA, Defetos LJ, Rorabaugh P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76

# CALCIUM

DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISOLATION PERFUSED RAT PANCREAS AND THE EFFECT OF CHEMICAL SYMPATHECTOMY. Lundquist I, Fanska R, Grodsky GM *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72

CALCIUM-INDUCED PHASE SEPARATION AND FUSION IN PHOSPHOLIPID MEMBRANES. Papahadjopoulos D, Poste G *Biophys J* 15: 945-8, Sep 75 (Eng) \*DL/76AUG636

EFFECTS OF STARVATION ON ISOLATED HEART PERFORMANCE AND MITOCHONDRIAL CALCIUM SEQUESTERING. Eller RR *Recent Adv Stud Cardiac Struct Metab* 4: 347-57, 1974 (Eng) \*DL/76AUG821

ISOPROTERENOL MYOCYTOLYSIS AND MYOCARDIAL CALCIUM. Bloom S, Davis D *Recent Adv Stud Cardiac Struct Metab* 4: 581-90, 1974 (Eng) \*DL/76AUG825

ADENOSINE 3,5-MONOPHOSPHATE, THE MYOCARDIAL CELL MEMBRANE, AND CALCIUM. Wollenberger A, Will H, Krause EG, Wollenberger A, Will H, Krause EG *Recent Adv Stud Cardiac Struct Metab* 5: 81-93, 1975 (Eng) [35] \*DL/76AUG836

THE RELATIONSHIP BETWEEN ADENOSINE 3,5-MONOPHOSPHATE LEVELS AND SYSTOLIC TRANSMEMBRANE CALCIUM FLUX. Watanabe AM, Besch HR Jr *Recent Adv Stud Cardiac Struct Metab* 5: 95-102, 1975 (Eng) \*DL/76AUG837

[CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA] Hadlich M, Kolb E *Arch Exp Veterinaermed* 29: 379-95, Jun 75 (Ger) \*DL/76AUG904

# 45-CALCIUM

INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLOC-AMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS. Joost HG, Beckmann J, Lenzen S, Haselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407

STIMULATION OF 45CA EFFLUX FROM SMOOTH MUSCLE CELLS BY METABOLIC INHIBITION AND HIGH K DEPOLARIZATION. Van Breemen C, Wuytack F, Casteels R, Martinelli B, Campailla E, Ferrari G *Pfluegers Arch* 359: 183-96, 9 Sep 75 (Eng) \*DL/76AUG758

45CA2+ ACCUMULATION BY MITOCHONDRIA AND SARCOPLASMIC RETICULUM IN CHRONIC POTASSIUM DEPLETION CARDIOMYOPATHY. Kim ND, Harrison CE *Recent Adv Stud Cardiac Struct Metab* 4: 551-62, 1974 (Eng) \*DL/76AUG824

# CALCIUM, EXTRACELLULAR

STIMULATION OF INSULIN RELEASE AFTER RAISING EXTRACELLULAR CALCIUM. Hellman B *FEBS Lett* 63: 125-8, 15 Mar 76 (Eng) DL/76AUG89

# CALCIUM ION

ACTIVE AND PASSIVE CA2+ FLUXES ACROSS CELL MEMBRANES OF THE GUINEA-PIG TAENIA COLI. Casteels R, Van Breemen C *Pfluegers Arch* 359: 197-207, 9 Sep 75 (Eng) \*DL/76AUG759

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA2+ TRANSPORT, AND CA2+-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

THE ROLE OF MITOCHONDRIA IN THE CONTRACTION-RELAXATION CYCLE AND OTHER CA2+-DEPENDENT ACTIVITIES OF HEART CELLS. Carafoli E *Recent Adv Stud Cardiac Struct Metab* 5: 151-63, 1975 (Eng) \*DL/76AUG828

STUDIES ON THE ROLE OF CALCIUM IONS IN THE STIMULATION BY ADRENALINE OF AMYLASE RELEASE FROM RAT PAROTID. Dormer RL, Ashcroft SJ *Biochem J* 144: 543-50, Dec 74 (Eng) \*DL/76AUG910

# CALCIUM METABOLISM

MITOCHONDRIAL CALCIUM METABOLISM IN ISCHEMIC AND FAILING MYOCARDIUM. Sordahl LA, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 535-40, 1974 (Eng) \*DL/76AUG822

ROLE OF MITOCHONDRIAL CALCIUM METABOLISM IN THE ALTERED CONTRACTILITY OF PRESSURE-HYPERTROPHIED RIGHT VENTRICULAR MYOCARDIUM. Sack DW, Cooper G 4th, Stava RM Jr, Coleman HM 3rd, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 195-202, 1975 (Eng) \*DL/76AUG832

MYOCARDIAL FUNCTION AND SUBCELLULAR CALCIUM METABOLISM IN CHRONIC POTASSIUM DEFICIENCY. Sack DW, Kim ND, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 203-11, 1975 (Eng) \*DL/76AUG833

# CALCIUM, SERUM

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G Jr *Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112

# CALCIUM TRANSPORT

ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART. Dhalla NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Cardiac Struct Metab* 5: 177-87, 1975 (Eng) \*DL/76AUG831

# CALCIUM UPTAKE

CALCIUM UPTAKE AND STORAGE IN ISOLATED HEART MITOCHONDRIA INFLUENCED BY SODIUM AND POTASSIUM IONS. Noack E, Greeff K *Recent Adv Stud Cardiac Struct Metab* 5: 165-70, 1975 (Eng) \*DL/76AUG829

# CALIFORNIA

EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS. Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

## CALIFORNIA

### CALORIC

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D. *In* Scheving LE, et al., ed. *Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188

### CANNABINOLS

STEROIDGENIC AND LIPOLYTIC EFFECTS OF CANNABINOLS IN THE RAT AND THE RABBIT. Maier R, Maitre L. *Biochem Pharmacol* 24: 1695-9, 15 Sep 75 (Eng) \*DL/76AUG917

### CAPILLARY

ULTRASTRUCTURE OF THE CAPILLARIES OF THE REPRODUCTIVE SYSTEM IN FEMALE RABBITS WITH ALLOXAN DIABETES. Liebhart M, Szamborski J. *Pol Med Sci Hist Bull* 15: 133-7, Mar-Apr 75 (Eng) DL/76AUG304

A DISTRIBUTED PORE SIZE MODEL FOR CAPILLARIES. Johnson JA, Levitt DG, Wangenstein OD, Bloom G. *Microvasc Res* 10: 217-9, Sep 75 (Eng) \*DL/76AUG747

### CAPILLARY PERMEABILITY

ESTIMATION OF THE CAPILLARY PERMEABILITY COEFFICIENTS OF INULIN IN VARIOUS TISSUES OF THE RABBIT. Wittmers LE Jr, Bartlett M, Johnson JA. *Microvasc Res* 11: 67-78, Jan 76 (Eng) DL/76AUG248

### CARBOHYDRATE

FACTORS INFLUENCING ADIPOSE TISSUE RESPONSE TO FOOD CARBOHYDRATES. PP. 46-53. Romsos DR, Leveille GA. *In* Jeanes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [21] DL/76AUG172

METABOLIC EFFECTS OF DIETARY CARBOHYDRATES—A REVIEW. PP. 20-45. Reiser S. *In* Jeanes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [106] DL/76AUG173

[METABOLIC EFFECT OF A CARBOHYDRATE COMBINATION DURING SIMULTANEOUS AMINO ACID INFUSION] Berg G, Matzakis F, Heid H, Fekl W. *Z Ernahrungswiss* 14: 163-74, Sep 75 (Ger) DL/76AUG379

EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED INTESTINAL EPITHELIAL CELLS OF THE CHICK. Raheja KL, Tepperman J, Tepperman HM. *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548

[METABOLIC BEHAVIOR AND UTILIZATION OF PARENTERALLY ADMINISTERED CARBOHYDRATES IN THE POSTOPERATIVE PHASE] Dolp R, Grab E, Knoche E, Ahnefeld FW. *Infusionstherapie* 2: 103-10, Apr 75 (Ger) \*DL/76AUG699

[THE IMPORTANCE OF THE CARBOHYDRATE PORTION IN A SYNTHETIC DIET] Forster H, Heller G, Fortmeyer HP. *Infusionstherapie* 2: 327-36, Oct 75 (Ger) \*DL/76AUG702

THE SYNERGISTIC EFFECT OF DIETARY CARBOHYDRATES ON THE PASSAGE OF AMINO ACIDS TO THE SMALL INTESTINE OF THE SHEEP. Offer NW, Evans RA, Axford RF. *Proc Nutr Soc* 34: 67a-68a, Sep 75 (Eng) \*DL/76AUG770

EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS. Waterman RA, Romsos DR, Tsai AC, Miller ER, Leveille GA. *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779

INCREASING THE SENSITIVITY OF THE ANTHRONE METHOD FOR CARBOHYDRATE. Jermyn MA. *Anal Biochem* 68: 332-5, Sep 75 (Eng) \*DL/76AUG885

### CARBOHYDRATE CONTENT

CARBOHYDRATE CONTENT OF HUMAN VLDL, IDL, LDL, AND HDL PLASMA APOPROTEINS FROM FASTING NORMAL AND HYPERLIPIDEMIC PATIENTS. Fontaine M, Malmendier CL. *Clin Chim Acta* 64: 91-3, 1 Oct 75 (Eng) \*DL/76AUG662

### CARBOHYDRATE INTERACTION

OBESITY, CARBOHYDRATE, AND LIPID INTERACTIONS IN THE ELDERLY. Bierman EL. *Curr Concepts Nutr* 4: 171-6, 1976 (Eng) [19] DL/76AUG59

### CARBOHYDRATE LOAD

[NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W. *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80

### CARBOHYDRATE METABOLISM

EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS. Laszlo FA, Durszt F, Varga P, Czako I. *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77

[FUNCTION TESTS FOR CARBOHYDRATE METABOLISM IN CLINICAL AND MEDICAL PRACTICE. BASIC PRINCIPLES, TECHNIC AND VALUE] Kattermann R, Kobberling J. *Med Welt* 26: 2293-9, 19 Dec 75 (Ger) DL/76AUG238

EFFECT OF SURGERY ON CARBOHYDRATE METABOLISM. Alant O, Pulay I, Esztergalyos J, Bodnar A. *Acta Chir Acad Sci Hung* 16: 307-14, 1975 (Eng) DL/76AUG396

EFFECTS OF GLUCOCORTICOIDS ON CARBOHYDRATE METABOLISM. Olefsky JM, Kimmerling G. *Am J Med Sci* 271: 202-10, Mar-Apr 76 (Eng) DL/76AUG430

EFFECTS OF MALEATE ON RENAL CARBOHYDRATE METABOLISM IN VIVO AND IN VITRO. Rogulski J, Strzelecki T, Pacanis A, Kaminska E, Angielski S. *Curr Probl Clin Biochem* 4: 106-10, 1975 (Eng) \*DL/76AUG483

[PARTICIPATION OF THE SMALL INTESTINE IN CARBOHYDRATE METABOLISM] Berkman RA, Iatsenko IV. *Fiziol Zh SSSR* 61: 1697-1703, Nov 75 (Rus) \*DL/76AUG500

A METHOD FOR INJECTING SUBSTANCES INTO THE CIRCULATION TO REACH RAPIDLY AND TO MAINTAIN A STEADY LEVEL, WITH EXAMPLES OF ITS APPLICATION IN THE STUDY OF CARBOHYDRATE AND AMINO ACID METABOLISM. Daniel PM, Donaldson J, Pratt OE. *Med Biol Eng* 13: 214-27, Mar 75 (Eng) \*DL/76AUG565

EXPERIMENTS ON INFARCT GENESIS CAUSED BY BLOCKAGE OF CARBOHYDRATE METABOLISM IN GUINEA PIG PLACENTAE. Kaufmann P, Virchow Arch [Pathol Anat] 368: 11-21, 7 Oct 75 (Eng) \*DL/76AUG858

### CARBOHYDRATE TOLERANCE

[CARBOHYDRATE TOLERANCE, SERUM INSULIN AND TRIGLYCERIDES IN CORONARY DISEASE] Dobrev DG, Ilkov A. *Vutr Boles* 14: 11-22, 1975 (Bul) DL/76AUG371

### CARBON

RATE OF INCORPORATION OF CO<sub>2</sub> CARBON INTO GLUCOSE AND OTHER BODY CONSTITUENTS IN VIVO. Shipley RA, Gibbons AP. *Can J Physiol Pharmacol* 53: 895-902, Oct 75 (Eng) \*DL/76AUG474

RE-INCORPORATION OF CARBON ATOMS INTO PLASMA GLUCOSE IN NEWBORN DOGS. Hall SE, Hetenyi G Jr. *Can J Physiol Pharmacol* 53: 967-8, Oct 75 (Eng) \*DL/76AUG476

### 18-CARBON

PHOSPHATIDYL CHOLINE: DONOR OF 18-CARBON UNSATURATED FATTY ACIDS FOR GLYCEROLIPID BIOSYNTHESIS. Roughan PG. *Lipids* 10: 609-14, Oct 75 (Eng) \*DL/76AUG743

### CARBON DIOXIDE

RATE OF INCORPORATION OF CO<sub>2</sub> CARBON INTO GLUCOSE AND OTHER BODY CONSTITUENTS IN VIVO. Shipley RA, Gibbons AP. *Can J Physiol Pharmacol* 53: 895-902, Oct 75 (Eng) \*DL/76AUG474

### CARBON MONOXIDE

THE EFFECT OF CARBON MONOXIDE ON LIPID METABOLISM OF HUMAN CORONARY ARTERIES. Sarma JS, Tillmanns H, Ikeda S, Bing RJ. *Atherosclerosis* 22: 193-8, Sep-Oct 75 (Eng) \*DL/76AUG922

### CARBOXYKINASE, PHOSPHOENOLPYRUVATE

THE EFFECT OF 3-MERCAPTOPYRICOLINIC ACID ON PHOSPHOENOLPYRUVATE CARBOXYKINASE (GTP) IN THE RAT AND GUINEA PIG. Kostos V, DiTullio NW, Rush J, Cieslinski L, Saunders HL. *Arch Biochem Biophys* 171: 459-65, Dec 75 (Eng) \*DL/76AUG614

STIMULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) ACTIVITY BY LOW CONCENTRATIONS OF CIRCULATING GLUCOSE IN PERFUSED RAT LIVER. Moreno FJ, Sanchez-Urrutia L, Medina JM, Sanchez-Medina F, Mayor F. *Biochem J* 150: 51-8, Jul 75 (Eng) \*DL/76AUG620

### CARCINOMA

STUDY OF GROWTH HORMONE SECRETION IN LUNG CARCINOMA. Claeys-De Clercq P, Levin S, Borkowski A. *Eur J Cancer* 11: 565-9, Aug 75 (Eng) DL/76AUG85

LIPID ACCUMULATION IN A HEPATOCELLULAR CARCINOMA ASSOCIATED WITH HYPOGLYCAEMIA. Chan WC, Ma L. *Pathology* 7: 299-305, Oct 75 (Eng) DL/76AUG287

[BRONCHIAL CARCINOMA WITH SECRETION OF ACTH AND HCG (AUTHORS TRANS)] De Leeuw I, van den Bergh O, Abs R. *Acta Tuberc Pneumol Belg* 66: 361-7, Jul-Oct 75 (Dut) DL/76AUG423

ALTERED GLUCOSE METABOLISM IN METASTATIC CARCINOMA. Holroyde CP, Gabuzda TG, Putnam RC, Paul P, Reichard GA. *Cancer Res* 35: 3710-4, Dec 75 (Eng) \*DL/76AUG477

# CARDIAC

**ROLE OF ADENYLATE CYCLASE-CYCLIC AMP IN CARDIAC ACTIONS OF ADRENERGIC AMINES.** Drummond GI, Hemmings SJ *Recent Adv Stud Cardiac Struct Metab* 3: 213-22, 1973 (Eng) \*DL/76AUG791

**THE ROLES OF ENERGY SOURCES AND IONS IN THE REGULATION OF CARDIAC FUNCTION.** Haugaard N, Levin RM, Haugaard ES *Recent Adv Stud Cardiac Struct Metab* 3: 223-32, 1973 (Eng) \*DL/76AUG792

**CARDIAC AND METABOLIC EFFECTS OF DIBUTYRYL CYCLIC AMP IN THE INTACT DOG HEART AND THE ISOLATED PERFUSED RAT HEART.** Dhalla NS, Chiernecki W, Gandhi SS, McNamara DB, Naimark A *Recent Adv Stud Cardiac Struct Metab* 3: 233-50, 1973 (Eng) \*DL/76AUG793

# CARDIAC ADENYLATE CYCLASE

**CARDIAC ADENYLATE CYCLASE. I. PREPARATION AND CHARACTERISATION OF A SUBCELLULAR FRACTION CONTAINING CATECHOLAMINE-SENSITIVE ADENYLATE CYCLASE.** Jarrott B, Picken GM *J Mol Cell Cardiol* 7: 685-95, Sep 75 (Eng) \*DL/76AUG730

# CARDIAC CONTRACTILITY

**INTERACTION OF FOUR METHYLSXANTHINE COMPOUNDS AND NOREPINEPHRINE ON CARDIAC PHOSPHORYLASE ACTIVATION AND CARDIAC CONTRACTILITY.** McNeill JH, Brenner MJ, Muschek LD *Recent Adv Stud Cardiac Struct Metab* 3: 261-73, 1973 (Eng) \*DL/76AUG795

# CARDIAC DEATH

**PREDICTORS OF SUDDEN CARDIAC DEATH.** Friedman GD, Klatsky AL, Siegel AB *Circulation* 52: 164-9, Dec 75 (Eng) \*DL/76AUG656

# CARDIAC ENERGETICS

**FLUOROMETRIC AND MYOTHERMIC STUDIES OF CARDIAC ENERGETICS.** Chapman JB, Gibbs CL *Recent Adv Stud Cardiac Struct Metab* 5: 449-55, 1975 (Eng) \*DL/76AUG835

# CARDIAC GLYCOGEN

**PLASMA CORTICOSTERONE AND CARDIAC GLYCOGEN LEVELS IN RATS AFTER EXERCISE.** Poland JL, Myers TD, Witorsch RJ, Brandt RB *Proc Soc Exp Biol Med* 150: 148-50, Oct 75 (Eng) \*DL/76AUG778

# CARDIAC GLYCOSIDE

**THE TRANSPORT ENZYME: PHARMACOLOGIC RECEPTOR FOR CARDIAC GLYCOSIDES.** Allen JC, Entman ML, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 131-7, 1974 (Eng) \*DL/76AUG817

**CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC ACTION AND BINDING TO AND DISSOCIATION FROM Na<sup>+</sup>-K<sup>+</sup>-ACTIVATED ATPASE IN VITRO.** Akera T, Baskin SI, Tobin T, Brody TM *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG818

# CARDIAC HYPERTROPHY

**RNA POLYMERASE AND ADENYL CYCLASE IN CARDIAC HYPERTROPHY AND CARDIOMYOPATHY.** Nair KG, Umali T, Potts J *Recent Adv Stud Cardiac Struct Metab* 3: 479-87, 1973 (Eng) \*DL/76AUG801

**EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES.** Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschkoff S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

**TURNOVER OF MYOCARDIAL COMPONENTS IN CARDIAC HYPERTROPHY.** Zak R, Martin AF, Dowell RT, Rabinowitz M *Recent Adv Stud Cardiac Struct Metab* 3: 603-14, 1973 (Eng) \*DL/76AUG808

# CARDIAC LOADING

**PROTEIN DEGRADATION IN ACUTE CARDIAC LOADING: THE PROBLEM OF REUTILIZATION OF AMINO ACIDS.** Schreiber SS, Oratz M, Klein I, Rothschild MA *Recent Adv Stud Cardiac Struct Metab* 3: 589-601, 1973 (Eng) \*DL/76AUG806

# CARDIAC METABOLISM

**CARDIAC METABOLISM OF BETA-HYDROXY FATTY ACIDS.** Hull FE, Malone M, Albers-Schonberg G *Recent Adv Stud Cardiac Struct Metab* 3: 39-52, 1973 (Eng) \*DL/76AUG800

# CARDIAC MUSCLE

**THE CONTROL OF ENERGY PRODUCTION AND UTILIZATION IN CARDIAC MUSCLE.** Olson RE, Barnhorst DA *Recent Adv Stud Cardiac Struct Metab* 3: 11-30, 1973 (Eng) \*DL/76AUG788

# CARDIOGENIC SHOCK

**[USE OF DOPAMINE IN THE TREATMENT OF CARDIOGENIC SHOCK. PRELIMINARY RESULTS]** Chiche P, Baligadous S *Ann Anesthesiol Fr* 16: 705-10, Dec 75 (Fre) DL/76AUG448

# CARDIOLOGICAL EMERGENCY

**[CARDIOLOGICAL EMERGENCIES IN OLD AGE]** Nelius D Z *Alternsforch* 30: 87-94, 1975 (Ger) DL/76AUG378

# CARDIOMYOPATHIC, SYRIAN HAMSTER

**FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA<sup>2+</sup> TRANSPORT, AND CA<sup>2+</sup>-STIMULATED ATPASE.** Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

# CARDIOMYOPATHY

**CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS.** Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357

**BLOOD GLUCOSE AND TISSUE GLYCOGEN LEVELS IN TURKEY FOWL WITH SPONTANEOUS ROUND HEART DISEASE AND FLUAZOLIDONE-INDUCED CARDIOMYOPATHY.** Czarnecki CM, Reneau JK, Janusz EF *Avian Dis* 19: 773-80, Oct-Dec 75 (Eng) \*DL/76AUG619

**RNA POLYMERASE AND ADENYL CYCLASE IN CARDIAC HYPERTROPHY AND CARDIOMYOPATHY.** Nair KG, Umali T, Potts J *Recent Adv Stud Cardiac Struct Metab* 3: 479-87, 1973 (Eng) \*DL/76AUG801

**45CA2<sup>+</sup> ACCUMULATION BY MITOCHONDRIA AND SARCOPLASMIC RETICULUM IN CHRONIC POTASSIUM DEPLETION CARDIOMYOPATHY.** Kim ND, Harrison CE *Recent Adv Stud Cardiac Struct Metab* 4: 551-62, 1974 (Eng) \*DL/76AUG824

**MITOCHONDRIAL FUNCTION AND EXCITATION-CONTRACTION COUPLING IN THE DEVELOPMENT OF ALCOHOLIC CARDIOMYOPATHY.** Pachinger O, Mao J, Fauvel JM, Bing RJ *Recent Adv Stud Cardiac Struct Metab* 5: 423-9, 1975 (Eng) \*DL/76AUG834

# CARDIOVASCULAR ABNORMALITY

**METABOLIC AND CARDIOVASCULAR ABNORMALITIES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE.** Vyden JK, Thorne J, Nagasawa K, Takano T, Grose-Ditrich MF, Perlow R, Swan HJ *Am Heart J* 90: 703-8, Dec 75 (Eng) \*DL/76AUG604

# CARDIOVASCULAR DISEASE

**SUGAR AND CARDIOVASCULAR DISEASE.** Grande F *World Rev Nutr Diet* 22: 248-69, 1975 (Eng) [94] \*DL/76AUG863

# CARDIOVASCULAR DYNAMIC

**THE EFFECTS OF THREE VAPORIZABLE FIRE EXTINGUISHING AGENTS ON MYOCARDIAL METABOLISM AND CARDIOVASCULAR DYNAMICS IN THE ANESTHETIZED DOG.** Van Stee EW, Harris AM, Horton ML, Back KC *Toxicol Appl Pharmacol* 34: 62-71, Oct 75 (Eng) \*DL/76AUG588

# CARDIOVASCULAR MORTALITY

**[SEX DIFFERENCES IN CARDIOVASCULAR MORTALITY OF DIABETICS]** Heyden S *Dtsch Med Wochenschr* 101: 789-93, 14 May 76 (Ger) DL/76AUG663

# CARDIOVASCULAR RISK

**THE CONTROL OF CARDIOVASCULAR RISK FACTORS IN THE ELDERLY.** Abramson JH, Hopp C *Prev Med* 5: 32-47, Mar 76 (Eng) [96] DL/76AUG315

# CARDIOVASCULAR SIDE EFFECT

**AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR.** Esteban-Alfuerria J, Rene AM, Duran P, Cabero L, Giralte E, Carreras M, Garcia-Cambronero MT *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724

# CARE

**[EXPERIENCES FROM INTENSIVE MEDICAL CARE AT THE SAHLGRENKA HOSPITAL]** Bunketorp O, Jonsson D, Stakeberg H *Lakartidningen* 73: 1720-2, 28 Apr 76 (Swe) DL/76AUG228

**[LONG-TERM CARE OF DIABETIC CHILDREN]** Weber B *Monatsschr Kinderheilk* 124: 185-8, Apr 76 (Ger) DL/76AUG255

**A GUIDE FOR PATIENTS: THE CARE OF DIABETES DURING ILLNESS.** West TE *Nurs Mirror* 142: 53-4, 22 Apr 76 (Eng) DL/76AUG301

# CARIBBEAN ISLAND

**MEDICAL DISORDERS IN A SMALL CARIBBEAN ISLAND. AN ANALYSIS OF THE DISEASE OF ADULTS IN DOMINICA IN 1972 AND 1973.** Grell GA *Ann Trop Med Parasitol* 70: 1-10, Mar 76 (Eng) DL/76AUG455

# Diabetes Literature—Keyword Index

## CAROTENEMIC

### CAROTENEMIC

CAROTENEMIC, SKIN COLOUR AND DIABETES MELLITUS. Hoerter E, Dreyfuss F, Herzberg M *Acta Diabetol Lat* 12: 202-7, May-Aug 75 (Eng) DL/76AUG402

### CARRIER MEDIATED

THE KINETICS OF CARRIER-MEDIATED ION PERMEATION IN LIPID BILAYERS AND ITS THEORETICAL INTERPRETATION. Laprade R, Ciani S, Eisenman G, Szabo G *Membranes* 3: 127-214, 1975 (Eng) [24] \*DL/76AUG575

### CARTILAGE

14C-GLUCOSE AND 35S-METABOLISM OF PIG EPIPHYSAL CARTILAGE AND ITS VARIATIONS AFTER OSTECTOMY. Beckmann J, Rodegerts U, Buddecke E *J Bone Joint Surg [Br]* 57: 506-10, Nov 75 (Eng) \*DL/76AUG535

### CASTRATED RAT

[PROCEEDINGS: EFFECT OF OESTROGENS AND DIET ON LIPIDS IN THE PLASMA OF CASTRATED RATS OF BOTH SEXES (AUTHORS TRANSL.)] Pottier C, Lederer J *Ann Endocrinol (Paris)* 36: 115-6, Mar-Apr 75 (Fre) \*DL/76AUG893

### CATABOLITE REPRESSION

CATABOLITE REPRESSION IN *ESCHERICHIA COLI* K12 MUTANTS DEFECTIVE IN GLUCOSE TRANSPORT. Gershanovitch VN, Yourovskaya NV, Komissarova LV, Bolshakova TN, Erlagaeva RS, Bourd GI *Mol Gen Genet* 140: 81-90, 15 Sep 75 (Eng) \*DL/76AUG748

### CATALYSIS

EXPLORING SITES ON MITOCHONDRIAL ATPASE FOR CATALYSIS, REGULATION, AND INHIBITION. Lardy HA, Schuster SM, Ebel RE *J Supramol Struct* 3: 214-21, 1975 (Eng) \*DL/76AUG738

### CATAMNESTIC FEATURE

[CHROMAFFINE TUMOURS: DIAGNOSIS AND CATAMNESTIC FEATURES BASED ON THE DATA COLLECTED AT THE INSTITUTE OF EXPERIMENTAL THERAPY BETWEEN 1949 AND 1974 (AUTHORS TRANSL.)] Ebel H, Classen HG *Arzneim Forsch* 25: 1610-21, Oct 75 (Ger) \*DL/76AUG621

### CATARACT

CATARACTS IN EARLY LIFE: BIOCHEMISTRY. Winder AF *Proc R Soc Med* 69: 270-2, Apr 76 (Eng) DL/76AUG319

### CATECHOLAMINE

CHANGES IN CATECHOLAMINE- AND GLUCAGON-RESPONSIVE ADENYLATE CYCLASE ACTIVITY IN PRENEOPLASTIC RAT LIVER. Boyd H, Martin TJ *Mol Pharmacol* 12: 195-202, Mar 76 (Eng) DL/76AUG253

GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERM-FREE RATS. Sewell DL, Bruckner-Kardoss E, Lorenz LM, Westmann BS *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322

SELECTIVE INHIBITION OF CHOLERA TOXIN- AND CATECHOLAMINE-STIMULATED LIPOLYSIS BY BLOCKING AGENTS. Katz MS, Greenough WB 3d *Infect Immun* 12: 964-8, Nov 75 (Eng) \*DL/76AUG519

INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOGEN PHOSPHORYLASE. Rinard GA, Chew CS *Life Sci* 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572

[EFFECT OF CATECHOLAMINES ON THE METABOLISM OF GLUCOSE, FATTY ACIDS AND ON THE HEART RATE IN GOATS] Bartos S, Dolezel F, Kolbl M *Vet Med (Praha)* 20: 289-301, May 75 (Cze) \*DL/76AUG591

[INFLUENCE OF MUSCULAR EXERCISE ON BLOOD CATECHOLAMINE LEVELS IN RATS] Rodigas P, Cession-Fossion A, Lecomte J *C R Soc Biol (Paris)* 169: 257-61, 1975 (Fre) \*DL/76AUG649

CARDIAC ADENYLATE CYCLASE. I. PREPARATION AND CHARACTERISATION OF A SUBCELLULAR FRACTION CONTAINING CATECHOLAMINE-SENSITIVE ADENYLATE CYCLASE. Jarrott B, Picken GM *J Mol Cell Cardiol* 7: 685-95, Sep 75 (Eng) \*DL/76AUG730

FATTY ACIDS AS MODULATORS OF MEMBRANE FUNCTIONS: CATECHOLAMINE-ACTIVATED ADENYLATE CYCLASE OF THE TURKEY ERYTHROCYTE. Orly J, Schramm M *Proc Natl Acad Sci USA* 72: 3433-7, Sep 75 (Eng) \*DL/76AUG763

HEART TRIGLYCERIDE AND GLYCOGEN METABOLISM: EFFECTS OF CATECHOLAMINES, DIBUTYRYL CYCLIC AMP, THEOPHYLLINE, AND FATTY ACIDS. Crass MF 3rd *Recent Adv Stud Cardiac Struct Metab* 3: 275-90, 1973 (Eng) \*DL/76AUG796

### CELL

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

IDENTIFICATION OF GLUCAGON-PRODUCING CELLS (A CELLS) IN DOG GASTRIC MUCOSA. Baetens D, Rufenner C, Srikant BC, Dobbs R, Unger R, Orci L *J Cell Biol* 69: 455-64, May 76 (Eng) DL/76AUG137

UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 125I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS. Roldan A, Stevens J, Hollander VP *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321

[CELL-MEDIATED IMMUNE RESPONSE IN JUVENILE DIABETES] Karmazsin L, Amoro I *Acta Paediatr Acad Sci Hung* 16: 317-26, 1975 (Ger) DL/76AUG417

[REGULATORY MECHANISMS IN THE CELL] Kroger H *Fortschr Med* 93: 1703-4, 4 Dec 75 (Ger) \*DL/76AUG516

[CELLULAR SURFACES. NEW RESULTS IN NORMAL AND MALIGNANT CELLS] Roth J *Hippocrates* 46: 427-44, Nov 75 (Ger) \*DL/76AUG522

STIMULATION OF 2-DEOXY-D-GLUCOSE TRANSPORT IN CONTROL AND VIRUS-TRANSFORMED CELLS BY ETHIDIUM BROMIDE. Soslau G, Nass MM *J Cell Physiol* 86: 269-80, Oct 75 (Eng) \*DL/76AUG538

DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN

KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX. Kinne R, Shlatz LJ, Kinne-Saffran E, Schwartz IL *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

IMMUNOCYTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN CELL BODIES OF THE RAT HYPOTHALAMUS. Elde RP, Parsons JA *Am J Anat* 144: 541-8, Dec 75 (Eng) \*DL/76AUG605

THE RESPONSE OF A BIOELECTROCHEMICAL CELL WITH *SACCHAROMYCES CEREVISIAE* METABOLIZING GLUCOSE UNDER VARIOUS FERMENTATION CONDITIONS. Videla HA, Arvia AJ *Biotechnol Bioeng* 17: 1529-43, Oct 75 (Eng) \*DL/76AUG641

STUDIES ON NOREPINEPHRINE-INDUCED EFFLUX OF FREE FATTY ACID FROM HAMSTER BROWN-ADIPOSE-TISSUE CELLS. Bieber LL, Pettersson B, Lindberg O *Eur J Biochem* 58: 375-81, 15 Oct 75 (Eng) \*DL/76AUG677

ADAPTIVE ALTERATIONS IN LACTOBACILLUS CASEI GLUCONEOGENESIS IN CELLS GROWN ON RIBOSE. Pradhan PG, Nadkarni GB *Arch Biochem Biophys* 171: 65-9, Nov 75 (Eng) \*DL/76AUG898

IN VITRO INFLUENCE OF STEROIDAL HORMONES ON PROTEIN AND GLUCOSE METABOLISM OF ISOLATED GRANULOMATOUS TISSUE CELLS. Hikawaj I, Nocenti MR *Arch Int Pharmacodyn Ther* 217: 86-96, Sep 75 (Eng) \*DL/76AUG900

### CELL, ADENOHYPOPHYSEAL

TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOHYPOPHYSEAL CELLS. PP. 287-98. Horvath E, Kovacs K, Stratzmann IE, Ezrin C *Ino Hess M, ed. Electron microscopic concepts of secretion*. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG165

### CELL, BETA

AN IMPROVED CONTROL ALGORITHM FOR AN ARTIFICIAL BETA-CELL. Botz CK *IEEE Trans Biomed Eng* 23: 252-5, May 76 (Eng) DL/76AUG117

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaisse WJ *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

### CELL CONTROL

ACCESSORY REPRODUCTIVE ORGANS IN MAMMALS: CONTROL OF CELL AND TISSUE TRANSPORT BY SEX HORMONES. Spaziani E *Pharmacol Rev* 27: 207-86, Jun 75 (Eng) [566] \*DL/76AUG782

### CELL CULTURE

CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES. Roos BA, Defotis LJ, Rorabaugh P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76

THE EFFECT OF 2-DEOXY-D-GLUCOSE AND 3-O-METHYL-D-GLUCOSE ON MUCOSUBSTANCE SECRETION IN CELL CULTURE. Duguid R, Marsden JC *Biochem Soc Trans* 3: 498-9, 1975 (Eng) \*DL/76AUG684

GLYCOLYTIC METABOLISM IN CULTURED CELLS OF THE NERVOUS SYSTEM. I. GLUCOSE TRANSPORT AND METABOLISM IN



## Diabetes Literature—Keyword Index

### CHARCOAL-SEPARATION METHOD

THE C-6 GLIOMA CELL LINE. Lust WD, Schwartz JP, Passonneau JV *Mol Cell Biochem* 8: 169-76, 30 Sep 75 (Eng) \*DL/76AUG749

#### CELL, D

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

#### CELL DENSITY

PROTAGLANDIN E<sub>1</sub> INDUCED CHANGES IN CYCLIC AMP LEVELS IN WI-38 HUMAN FIBROBLASTS. TWO DIFFERENT EFFECTS OF CELL DENSITY. O'Neill JP, Hsie AW *Biochim Biophys Acta* 404: 243-8, 9 Oct 75 (Eng) \*DL/76AUG628

#### CELL, EPITHELIAL

[HISTOCHEMICAL STUDY OF MEDIUM-CHAIN, NEUTRAL FAT, GLUCOSE AND IRON UPTAKE IN THE INTESTINAL-TYPE EPITHELIAL CELLS OF THE GASTRIC MUCOSA] Katsu K, Maezawa H, Odakura T *Jpn J Gastroenterol* 72: 838-45, Jul 75 (Jpn) \*DL/76AUG560

#### CELL, GLUCAGON SECRETING

[IMMUNOCYTOCHEMICAL IDENTIFICATION OF THE GLUCAGON-SECRETING CELLS IN GASTRIC MUCOSA] Baetens D, Rufener C, Unger RH, Renold AE, Orci L *C R Acad Sci [D] (Paris)* 282: 195-7, 12 Jan 76 (Fre) DL/76AUG39

#### CELL, HEART

REDUCTION IN MYOCARDIAL INFARCT SIZE: PREVENTION OF HEART CELL DEATH. Kones RJ, Phillips JH *South Med J* 69: 442-8, Apr 76 (Eng) DL/76AUG342

THE ROLE OF MITOCHONDRIA IN THE CONTRACTION-RELAXATION CYCLE AND OTHER CA<sup>2+</sup>-DEPENDENT ACTIVITIES OF HEART CELLS. Carafoli E *Recent Adv Stud Cardiac Struct Metab* 5: 151-63, 1975 (Eng) \*DL/76AUG828

#### CELL, INTESTINAL

EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS. Reiser S, Michaelis OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777

#### CELL, ISOLATED

EFFECT OF FEEDING AND FASTING ON THE EARLY STEPS OF GLUCAGON ACTION IN ISOLATED RAT LIVER CELLS. Fouchereau-Peron M, Rancan F, Freychet P, Rosselin G *Endocrinology* 98: 755-60, Mar 76 (Eng) DL/76AUG71

#### CELL LINE

GLYCOLYTIC METABOLISM IN CULTURED CELLS OF THE NERVOUS SYSTEM. I. GLUCOSE TRANSPORT AND METABOLISM IN THE C-6 GLIOMA CELL LINE. Lust WD, Schwartz JP, Passonneau JV *Mol Cell Biochem* 8: 169-76, 30 Sep 75 (Eng) \*DL/76AUG749

#### CELL, MAMMALIAN

THE INTERACTION OF PHOSPHOLIPID VESICLES WITH MAMMALIAN CELLS IN VITRO. Papahadjopoulos D, Poste G, Mayhew E *Biochem Soc Trans* 3: 606-8, 1975 (Eng) \*DL/76AUG502

#### CELL MEMBRANE

ACTIVITY OF HUMAN ADENYLATE CYCLASE FROM HUMAN FAT CELL MEMBRANES. Poupon R *Biomedicine [Express]* 23: 438-42, 20 Dec 75 (Eng) DL/76AUG5

COOPERATIVE PROPERTIES OF HORMONE RECEPTORS IN CELL MEMBRANES. De Meyts P *J Supramol Struct* 4: 241-58, 1976 (Eng) DL/76AUG223

MECHANISM OF NUCLEOTIDE INHIBITION OF GONADOTROPIN BINDING TO CELL MEMBRANES OF BOVINE CORPUS LUTEUM. Rao CV *Mol Cell Endocrinol* 3: 255-71, Oct 75 (Eng) \*DL/76AUG507

PERMEABILITY CHARACTERISTICS OF THE ADIPOCYTE CELL MEMBRANE AND PARTITIONING CHARACTERISTICS OF THE ADIPOCYTE TRIGLYCERIDE CORE. Sherill BC, Dietschy JM *J Membr Biol* 23: 367-83, 1975 (Eng) \*DL/76AUG558

ATP SYNTHESIS DRIVEN BY PROTONMOTIVE FORCE IMPOSED ACROSS ESCHERICHIA COLI CELL MEMBRANES. Grinius L, Slusnyte R, Griniuvienė B *FEBS Lett* 57: 290-3, 1 Oct 75 (Eng) \*DL/76AUG681

ACTIVE AND PASSIVE CA<sup>2+</sup> FLUXES ACROSS CELL MEMBRANES OF THE GUINEA-PIG TAENIA COLL. Casteels R, Van Breemen C *Pfluegers Arch* 359: 197-207, 9 Sep 75 (Eng) \*DL/76AUG759

PHASE TRANSITIONS AND FLUIDITY CHARACTERISTICS OF LIPIDS AND CELL MEMBRANES. Chapman D *Q Rev Biophys* 8: 185-235, May 75 (Eng) [246] \*DL/76AUG786

PROPERTIES OF FOLLICLE-STIMULATING-HORMONE RECEPTOR IN CELL MEMBRANES OF BOVINE TESTIS. Cheng KW *Biochem J* 149: 123-32, Jul 75 (Eng) \*DL/76AUG912

TRANSPORT OF PHOSPHOENOLPYRUVATE THROUGH RED CELL MEMBRANE IN ACIDIFIED ISOTONIC SUCROSE MEDIUM. Tomoda A, Hamasaki N, Minakami S *Biochem Biophys Res Commun* 66: 1127-30, 27 Oct 75 (Eng) \*DL/76AUG914

#### CELL, MYOCARDIAL

ADENOSINE 3,5-MONOPHOSPHATE, THE MYOCARDIAL CELL MEMBRANE, AND CALCIUM. Wollenberger A, Will H, Krause EG, Wollenberger A, Will H, Krause EG *Recent Adv Stud Cardiac Struct Metab* 5: 81-93, 1975 (Eng) [35] \*DL/76AUG836

#### CELL, PARIETAL

METABOLISM OF DOG GASTRIC MUCOSA. NUCLEOTIDE LEVELS IN PARIETAL CELLS. Sarau HM, Foley J, Moonsammy G, Wiebelhaus VD *J Biol Chem* 250: 8321-9, 10 Nov 75 (Eng) \*DL/76AUG527

#### CELL SURFACE

[FLUIDITY OF THE CELL SURFACE] Larsen B, Barford NM *Ugeskr Laeger* 137: 2633-5, 3 Nov 75 (Dan) \*DL/76AUG857

#### CELL TYPE

THE ULTRASTRUCTURE OF THE CELL TYPES IN THE ENDOCRINE PANCREAS OF

THE HORSE. Forssmann A *Cell Tissue Res* 167: 179-93, 16 Mar 76 (Eng) DL/76AUG30

[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS] Durand N, Berthezene F, Girod C *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650

#### CELLULAR

MEMBRANE FLUIDITY AND CELLULAR FUNCTIONS. Singer SJ *Adv Exp Med Biol* 62: 181-92, 1975 (Eng) [41] \*DL/76AUG599

#### CELLULAR COMPONENT

[AMYLOIDOSIS OF THE ISLANDS OF LANGERHANS AND ITS EFFECTS WITH REGARD TO THEIR CELLULAR COMPONENTS] Melato M, Antonutto G, Giarelli L, Mlac M *Pathologica* 67: 109-18, Mar-Apr 75 (Ita) DL/76AUG288

#### CELLULAR CONTROL

CONGESTIVE HEART FAILURE: ROLE OF ALTERED MYOCARDIAL CELLULAR CONTROL. Katz AM *N Engl J Med* 293: 1184-91, 4 Dec 75 (Eng) \*DL/76AUG751

#### CELLULARITY

FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO. Maroudas A, Stockwell RA, Nachemson A, Urban JJ *Anat* 120: 113-30, Sep 75 (Eng) \*DL/76AUG706

RESISTANCE TO SLIMMING: ADIPOSE TISSUE CELLULARITY STUDIES. Ashwell M, Priest P, Bondoux M, Garrow JS *Proc Nutr Soc* 34: 85a-86a, Sep 75 (Eng) \*DL/76AUG775

THE EFFECTS OF DEXAMETHASONE AND STARVATION ON BODY COMPOSITION AND REGIONAL ADIPOSE TISSUE CELLULARITY IN THE RAT. Krotkiewski M, Bjornorp P *Acta Endocrinol (Kbh)* 80: 667-75, Dec 75 (Eng) \*DL/76AUG871

#### CELLULOSE

[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE] Schulz B, Michaelis D, Neumann I, Heinke P *Endocrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

#### CEREBROSPINAL FLUID

LYSOZYME ACTIVITY IN CEREBROSPINAL FLUID. Reitamo S, Klockars M *Acta Med Scand* 199: 321-5, 1976 (Eng) DL/76AUG420

#### CHANNA PUNCTATUS (BLOCH)

EFFECT OF STREPTOZOTOCIN ON THE BLOOD GLUCOSE LEVEL AND HISTOLOGY OF THE PRINCIPAL ISLETS OF CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS *Z Mikrosk Anat Forsch* 89: 319-26, 1975 (Eng) DL/76AUG391

#### CHARCOAL-SEPARATION METHOD

EFFECTS OF INSULIN-FREE PLASMA ON THE CHARCOAL-SEPARATION METHOD FOR RADIOIMMUNOASSAY OF INSULIN. Frayn KN *Horm Metab Res* 8: 102-5, Mar 76 (Eng) DL/76AUG110



## Diabetes Literature—Keyword Index

### CHARCOAL-SEPARATION METHOD

#### CHARGE DISTRIBUTION

CHARGE DISTRIBUTION. Chance B *Biophys J* 15: 953-4, Sep 75 (Eng) \*DL/76AUG637

#### CHARGE SEPARATION

CHARGE SEPARATION AND ENERGY TRANSFER IN THE MITOCHONDRIAL MEMBRANE. Papa S, Guerrieri F, Lorusso M *Biophys J* 15: 963-7, Sep 75 (Eng) \*DL/76AUG638

#### CHELATOR, METAL SENSITIVE

PROPERTIES AND SPECIFICITY OF A SECOND METAL CHELATOR-SENSITIVE PROTEINASE IN THE KERATINOLYTIC LARVAE OF THE WEBBING CLOTHES MOTH. Ward CW *Aust J Biol Sci* 28: 439-45, Dec 75 (Eng) DL/76AUG465

#### CHEMICAL PARAMETER

[THE INFLUENCE OF FEEDING ON CLINICAL-CHEMICAL PARAMETERS IN THE SERUM OF RATS (AUTHORS TRANSL)] Breuer J, Kieser H Z *Klin Chem Klin Biochem* 13: 401-5, Sep 75 (Ger) \*DL/76AUG595

#### CHEMICAL SYMPATHECTOMY

DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISLET OF LANGERHANS IN THE PANCREAS AND THE EFFECT OF CHEMICAL SYMPATHECTOMY. Lundquist I, Fanska R, Grodsky GM *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72

#### CHEMILUMINESCENCE

EVALUATION OF PEROXYOXALATE CHEMILUMINESCENCE FOR DETERMINATION OF ENZYME GENERATED PEROXIDE. Williams DC 3d, Huff GF, Seitz WR *Anal Chem* 48: 1003-6, Jun 76 (Eng) DL/76AUG447

#### CHEMOTAXIS

IN VIVO CHEMOTAXIS OF RAT LEUKOCYTES IN THE PRESENCE OF CIRCULATING CHYLOMICRONS. Perper RJ, Oronsky AL, Sanda M, Stecher VJ *Atherosclerosis* 22: 257-69, Sep-Oct 75 (Eng) \*DL/76AUG923

#### CHICAGO

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhomberg P, Dyer A, Berkson DM, Reedus W, Wannamaker J J *Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

#### CHICAGO HEART ASSOCIATION

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J J *Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

#### CHILD

GROWTH HORMONE RELEASE BY GLYCINE INJECTED INTRAVENOUSLY IN 22 HEALTHY SEXUALLY IMMATURE CHILDREN. Popa M, Florea I *Biomedicine [Express]* 23: 131-3, 30 Apr 75 (Eng) DL/76AUG6

HYPOGLYCAEMIA IN CHILDREN UNDERGOING ADENOTONSILLECTOMY. Kelnar CJ *Br Med J* 1: 751-2, 27 Mar 76 (Eng) DL/76AUG16

[CHILDREN OF DIABETIC MOTHERS--RELATIONSHIP BETWEEN METABOLIC CONDITIONS AFTER DELIVERY AND LONG-TERM PROGNOSIS] Zezulakova J, Pribylova H *Cesk Pediatr* 31: 57-60, Feb 76 (Cze) DL/76AUG33

[ADIPOSIITY IN CHILDREN] Spahn U, Knoll G, Plenert W *Kinderserztl Prax* 43: 166-80, Apr 75 (Ger) [71] DL/76AUG213

LETTER: MANAGEMENT OF KETOACIDOSIS IN CHILDREN. Amato RS *N Engl J Med* 294: 1405-6, 17 Jun 76 (Eng) DL/76AUG270

PEDIATRICS: OFFICE MANAGEMENT OF DIABETES MELLITUS IN CHILDREN. Chase HP *Postgrad Med* 59: 243-53, May 76 (Eng) DL/76AUG313

TOTAL PARENTAL NUTRITION IN INFANTS AND CHILDREN: CENTRAL AND PERIPHERAL APPROACHES. Filler RM, Coran AG *Surg Clin North Am* 56: 395-412, Apr 76 (Eng) DL/76AUG346

[DETECTION AND PREVENTIVE MEDICAL EXAMINATION OF CHILDREN WITH A HEAVY HISTORY IN CONNECTION WITH DIABETES MELLITUS] Khodorovskaya IK, Bakhareva TP *Vopr Okhr Materin Det* 20: 87, Sep 75 (Rus) DL/76AUG365

LOWER FREQUENCY OF DIABETES AMONG HOSPITALIZED NEGRO THAN WHITE CHILDREN: THEORETICAL IMPLICATIONS. Mac Donald MJ *Acta Genet Med Gemellol (Roma)* 24: 119-26, 1975 (Eng) DL/76AUG410

[COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415

[SOMATIC AND MENTAL DEVELOPMENT OF CHILDREN FROM DIABETIC MOTHERS: RESULTS OF A FOLLOW-UP AT AGES BETWEEN 4 TO 16 YEARS] Amendt P *Acta Paediatr Acad Sci Hung* 16: 299-315, 1975 (Ger) DL/76AUG416

FURTHER OBSERVATIONS ON PLASMA SOMATOMEDIN ACTIVITY IN CHILDREN. van den Brande JL, van Buul S, Heinrich U, van Roon F, Zürcher T, van Steirtegem AC *Adv Metab Disord* 8: 171-81, 1975 (Eng) \*DL/76AUG602

GLUCOCORTICOID THERAPY IN CHILDREN. EFFECT ON SOMATOMEDIN SECRETION. Elders MJ, Wingfield BS, McNatt ML, Clarke JS, Hughes ER *Am J Dis Child* 129: 1393-6, Dec 75 (Eng) \*DL/76AUG606

THE EFFECT OF ALPHA1-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN. Caccamo A, Garlaschi C, di Natale B, del Guercio MJ, Chiomello G *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705

FRUCTOSE-INDUCED HYPERURICEMIA: OBSERVATIONS IN NORMAL CHILDREN AND IN PATIENTS WITH HEREDITARY FRUCTOSE INTOLERANCE AND GALACTOSEMIA. Kogut MD, Roe TF, Ng W, Nonnel GN *Pediatr Res* 9: 774-8, Oct 75 (Eng) \*DL/76AUG757

#### CHILD, DIABETIC

[LONG-TERM CARE OF DIABETIC CHILDREN] Weber B *Monatsschr Kinderheilkd* 124: 185-8, Apr 76 (Ger) DL/76AUG255

[NUTRITION OF THE DIABETIC CHILD IN THE HOSPITAL AND AT HOME] Cotenescu A *Viata Med [Medii Sanit]* 23: 4, Apr 75 (Rum) DL/76AUG359

#### CHILDHOOD

[NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

#### CHIMPANZEE

THE TRANSFER OF GLUCOSE TO STEROIDS BY CHIMPANZEE LIVER MICROSOMES. Labow RS, Williamson DG, Layne DS, Collins DC *Can J Biochem* 53: 1028-30, Sep 75 (Eng) \*DL/76AUG652

#### CHLORIDE

[EXPERIMENTAL STUDY OF MANGANESE CHLORIDE TOXICITY] Pashinskii VG, Tuzlov AP, Rassokhin VM, Arefeva AK, Sedova KS *Farmakol Toksikol* 38: 618-20, Sep-Oct 75 (Rus) \*DL/76AUG680

[CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA] Hadlich M, Kolb E *Arch Exp Veterinaarmed* 29: 379-95, Jun 75 (Ger) \*DL/76AUG904

#### 125I-CHLOROQUINE

UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 125I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

#### 14C-CHLOROQUINE

UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 125I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

#### CHLOROQUINE RESISTANCE

CHLOROQUINE RESISTANCE IN MALARIA: VARIATIONS OF SUBSTRATE-STIMULATED CHLOROQUINE ACCUMULATION. Fitch CD, Chevli R, Gonzalez Y *J Pharmacol Exp Ther* 195: 389-96, Dec 75 (Eng) \*DL/76AUG551

#### CHLORPROPAMIDE

[COMBINED CLOFIBRATE-CHLORPROPAMIDE THERAPY IN DIABETES INSIPIDUS COMPLICATED WITH DIABETES MELLITUS] Czako L, Laszlo FA, Kahan-Laszlo I *Endokrinologie* 65: 364-74, 1975 (Ger) DL/76AUG82

## Diabetes Literature—Keyword Index

## CLINICAL

[INFLUENCE OF CHLORPROPAMIDE ON THE EXCRETION OF ELECTROLYTES IN DIABETES INSIPIDUS] Peci-Popovic E, Janjic M, Kicic M *Glas Srp Akad Nauka [Med]* 77-84, 1975 (Ser) DL/76AUG104

COMPARATIVE STUDY OF GLIBENCLAMIDE & CHLORPROPAMIDE IN NEWLY DIAGNOSED MATURITY ONSET DIABETICS. Haider Z, Obaidullah S, Fayyaz-ud-Din *JPMMA* 26: 23-6, Feb 76 (Eng) DL/76AUG210

SEVERE HYPONATRAEMIA IN DIABETIC PATIENTS TREATED WITH CHLORPROPAMIDE OR PHENFORMINE. de Troyer A, Devis G, Demanet JC *Acta Clin Belg* 30: 108-14, 1975 (Eng) DL/76AUG398

### CHLORPROTHIXENE DEXTROMORAMIDE

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

### CHOLECYSTOKININ

SECRETIN, CHOLECYSTOKININ AND NEWER GASTROINTESTINAL HORMONES (SECOND OF TWO PARTS). Rayford PL, Miller TA, Thompson JC *N Engl J Med* 294: 1157-63, 20 May 76 (Eng) [113] DL/76AUG261

### CHOLERA TOXIN

SELECTIVE INHIBITION OF CHOLERA TOXIN- AND CATECHOLAMINE-STIMULATED LIPOLYSIS BY BLOCKING AGENTS. Katz MS, Greenough WB 3d *Infect Immun* 12: 964-8, Nov 75 (Eng) \*DL/76AUG519

MECHANISM OF ACTIVATION OF ADENYLATE CYCLASE BY CHOLERA TOXIN. Sahyoun N, Cuatrecasas P *Proc Natl Acad Sci USA* 72: 3438-42, Sep 75 (Eng) \*DL/76AUG764

STIMULATION OF EPINEPHRINE-SENSITIVE FAT CELL ADENYLATE CYCLASE BY CYTOSOL: EFFECT OF CHOLERA TOXIN. Ganguly U, Greenough WB 3d *Proc Natl Acad Sci USA* 72: 3561-4, Sep 75 (Eng) \*DL/76AUG765

### CHOLESTEROL

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

[POSTPRANDIAL LEVELS OF BLOOD SUGAR, CHOLESTEROL AND TOTAL LIPIDS IN A GROUP OF NORMAL STUDENTS] Sneer A, Buie C, Dughir E, Dimitriu M *Rev Med Chir Soc Med Nat Iasi* 79: 555-60, Oct-Dec 75 (Rum) DL/76AUG333

### CHOLESTEROL BIOSYNTHESIS

THE MECHANISM OF C-4 DEMETHYLATION DURING CHOLESTEROL BIOSYNTHESIS. Wilton DC, Akhtar M *Biochem J* 149: 233-5, Jul 75 (Eng) \*DL/76AUG913

### CHOLESTEROL FEEDING

INFLUENCE OF CHOLESTEROL FEEDING ON LIVER MICROSMAL METABOLISM OF

STEROIDS AND BILE ACIDS IN CONVENTIONAL AND GERM-FREE RATS. Gustafsson BE, Einarsson K, Gustafsson J *J Biol Chem* 250: 8496-502, 10 Nov 75 (Eng) \*DL/76AUG529

### CHOLESTEROL, PLASMA

LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES: USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879

### CHOLESTEROL, SERUM

EVALUATION OF SERUM CHOLESTEROL REDUCTION AND XANTHINE OXIDASE INHIBITION IN THE TREATMENT OF ATHEROSCLEROSIS. Oster KA *Recent Adv Stud Cardiac Struct Metab* 3: 73-80, 1973 (Eng) \*DL/76AUG810

### CHOROID PLEXUS

EFFECTS OF CHOROID PLEXUS PEPTIDE HIF ON ADENYLATE CYCLASE AND 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE. Rudman D *J Pharmacol Exp Ther* 195: 532-9, Dec 75 (Eng) \*DL/76AUG552

### CHROMAFFINE TUMOR

[CHROMAFFINE TUMOURS: DIAGNOSIS AND CATAMNESTIC FEATURES BASED ON THE DATA COLLECTED AT THE INSTITUTE OF EXPERIMENTAL THERAPY BETWEEN 1949 AND 1974 (AUTHORS TRANSL.)] Ebel H, Clausen HG *Arzneim Forsch* 25: 1610-21, Oct 75 (Ger) \*DL/76AUG621

### CHROMATOGRAPHIC SEPARATION

THIN-LAYER CHROMATOGRAPHIC SEPARATION OF FREE FATTY ACIDS. ANALYSIS AND PURIFICATION OF RADIOACTIVELY LABELLED FATTY ACIDS. Rodrigues de Miranda JF, Eikelboom TD *J Chromatogr* 114: 274-9, 12 Nov 75 (Eng) \*DL/76AUG717

### CHROMATOGRAPHY, WICK

[RADIOIMMUNOLOGICAL DETERMINATIONS OF INSULIN IN SMALL SERUM SAMPLES USING WICK-CHROMATOGRAPHY] Ulrich E, Schneyer U, Hadecke J *Endokrinologie* 63: 364-7, 1974 (Ger) DL/76AUG79

### CHYLOMICRON, CIRCULATING

IN VIVO CHEMOTAXIS OF RAT LEUKOCYTES IN THE PRESENCE OF CIRCULATING CHYLOMICRONS. Perper RJ, Oronsky AL, Sanda M, Stecher VJ *Atherosclerosis* 22: 257-69, Sep-Oct 75 (Eng) \*DL/76AUG923

### CIRCADIAN RHYTHM

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D *Ino Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188*

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA

CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

### CIRCULATION

A METHOD FOR INJECTING SUBSTANCES INTO THE CIRCULATION TO REACH RAPIDLY AND TO MAINTAIN A STEADY LEVEL. WITH EXAMPLES OF ITS APPLICATION IN THE STUDY OF CARBOHYDRATE AND AMINO ACID METABOLISM. Daniel PM, Donaldson J, Pratt OE *Med Biol Eng* 13: 214-27, Mar 75 (Eng) \*DL/76AUG565

### CIRRHOSIS

POTASSIUM STATUS OF PATIENTS WITH CIRRHOSIS. Soler NG, Jain S, James H, Paton A *Gut* 17: 152-7, Feb 76 (Eng) DL/76AUG106

### CITRATE

THE STEADY STATE CONCENTRATIONS OF COENZYME A-SH AND COENZYME A THIOESTER, CITRATE, AND ISOCITRATE DURING TRICARBOXYLATE CYCLE OXIDATIONS IN RABBIT HEART MITOCHONDRIA. Hansford RG, Johnson RN *J Biol Chem* 250: 8361-75, 10 Nov 75 (Eng) \*DL/76AUG528

## CLINICAL

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETER-TO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

[PHYSIOPATHOLOGY, CLINICAL ASPECTS AND TREATMENT OF DIABETIC ANGIOPATHIES] Ciammaichella A *Clin Ter* 74: 109-21, 31 Jul 75 (Ita) DL/76AUG48

[CLINICAL ASPECTS OF DIABETES MELITUS] Butturini U *G Clin Med* 55: 337-53, May 74 (Ita) DL/76AUG97

[FUNCTION TESTS FOR CARBOHYDRATE METABOLISM IN CLINICAL AND MEDICAL PRACTICE. BASIC PRINCIPLES, TECHNIC AND VALUE] Kattermann R, Koberling J *Med Welt* 26: 2293-9, 19 Dec 75 (Ger) DL/76AUG238

IMMEDIATE FUNDUS COMPLICATIONS AFTER RETINAL SCATTER PHOTOCOAGULATION. I. CLINICAL PICTURE AND PATHOGENESIS. Huamonte FU, Peyman GA, Goldberg MF, Locketz A *Ophthalmol Surg* 7: 88-99, Spring 76 (Eng) DL/76AUG280

[CLINICAL AND LABORATORY PROBLEMS IN RADIOIMMUNOLOGIC DETERMINATION] Castelli A *Quad Scavo Diagn* 11: 179-82, Jun 75 (Ita) DL/76AUG326

CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES. Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

[EVALUATION BY MULTIPLE REGRESSION ANALYSIS OF THE CLINICAL CHARACTERISTICS OF A SAMPLE OF ADULT-ONSET DIABETICS] Jequier JC, Gagnon MA, Annable L *Union Med Can* 104: 935-43, Jun 75 (Fre) DL/76AUG355

[CLINICAL ASPECTS AND THERAPY OF ADDISONS DISEASE] Schulz F, Retiene K *Anaesthesiol Intensivmed Prax* 9: 139-48, 1974 (Ger) DL/76AUG445

THE PRESENT SITUATION OF CLINICAL MONITORING OF THE FETUS DURING LABOR. Saling EZ, Dudenhausen JW *J Perinat*

## Diabetes Literature—Keyword Index

### CLINICAL EVALUATION

Med 1: 75-103, 1973 (Eng) [56]  
\*DL/76AUG723

### CLINICAL EVALUATION

CLINICAL EVALUATION OF A NEW SULFONYLUREA IN MATURITY ONSET DIABETES - GLIPIZIDE (K-4024). Bandisod MS, Boshell BR *Horm Metab Res* 8: 89-91, Mar 76 (Eng) DL/76AUG114

### CLINICAL TRIAL

GLUCAGON AND BARIUM ENEMA EXAMINATIONS: A CONTROLLED CLINICAL TRIAL. Harned RK, Stelling CB, Williams S, Wolf GL *Am J Roentgenol* 126: 981-4, May 76 (Eng) DL/76AUG442

### CLINICAL-CHEMICAL PARAMETER

[THE INFLUENCE OF FEEDING ON CLINICAL-CHEMICAL PARAMETERS IN THE SERUM OF RATS (AUTHORS TRANSL)] Breuer J, Kieser H Z *Klin Chem Klin Biochem* 13: 401-5, Sep 75 (Ger) \*DL/76AUG595

### CLOFIBRATE

EFFECT OF CLOFIBRATE ON PLASMA PROTEINS INCLUDING COMPONENTS OF THE HEMOSTATIC MECHANISM. Cederblad G, Korsan-Bengtson K *Clin Chim Acta* 66: 9-17, 2 Jan 76 (Eng) DL/76AUG41

[COMBINED CLOFIBRATE-CHLORPROPAMIDE THERAPY IN DIABETES INSIPIDUS COMPLICATED WITH DIABETES MELLITUS] Czako L, Laszlo FA, Kahan-Laszlo I *Endokrinologie* 65: 364-74, 1975 (Ger) DL/76AUG82

[EFFECT OF CLOFIBRATE ON GLUCOSE TOLERANCE AND INSULIN SECRETION IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA (AUTHORS TRANSL)] Schwandt P, Weisweiler P, Neureuther G, Wilkenning J *Munch Med Wochenschr* 118: 351-4, 19 Mar 76 (Ger) DL/76AUG257

POTENTIATION OF HYPOGLYCEMIC RESPONSE TO INTRAVENOUS TOLBUTAMIDE BY CLOFIBRATE. Ferrari C, Frezzati S, Testori GP, Bertazzoni A *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG265

[STUDY OF THE METABOLIC EFFECT OF MISCLERON (CLOFIBRATE) IN ANIMAL EXPERIMENTS] Kramer M, Bedo M, Blaskovits A, Gefferth G, Tarjan R *Orv Hetil* 116: 2774-8, 23 Nov 75 (Hun) \*DL/76AUG579

### CLONAL CHARACTERISTICS

CLONAL CHARACTERISTICS OF FIBROUS PLAQUES AND FATTY STREAKS FROM HUMAN AORTAS. Pearson TA, Wang BA, Soloz K, Heptinstall RH *Am J Pathol* 81: 379-87, Nov 75 (Eng) \*DL/76AUG880

### CLONIDINE

EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN. Lal S, Tolis G, Martin SB, Brown GM, Guyda H J *Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

### COAGULATION, BLOOD

[CHANGES IN BLOOD COAGULATION IN DIABETIC NEPHROPATHY] Astrug A, Khristov L, Stamenova T *Vatr Boles* 14: 69-75, 1975 (Bul) DL/76AUG369

### COCHLEA

[ULTRASTRUCTURE OF THE STRIA VASCULARIS OF THE COCHLEA IN ALLOXAN DIABETES] Kozlov Mla, Onegova RF, Petrov VS, Sokoloverova IM *Zh Ushn Nos Gori Bolezn* 36-40, Mar-Apr 76 (Rus) DL/76AUG393

### COEFFICIENT

ESTIMATION OF THE CAPILLARY PERMEABILITY COEFFICIENTS OF INULIN IN VARIOUS TISSUES OF THE RABBIT. Wittmers LE Jr, Bartlett M, Johnson JA *Microvasc Res* 11: 67-78, Jan 76 (Eng) DL/76AUG248

### COENZYME A

THE STEADY STATE CONCENTRATIONS OF COENZYME A-SH AND COENZYME A THIOESTER, CITRATE, AND ISOCITRATE DURING TRICARBOXYLATE CYCLE OXIDATIONS IN RABBIT HEART MITOCHONDRIA. Hansford RG, Johnson RN *J Biol Chem* 250: 8361-75, 10 Nov 75 (Eng) \*DL/76AUG528

THE POSSIBLE ROLE OF PALMITOYL-CoA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS. Panov AV, Konstantinov YM, Lyakhovich VV *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

### COLD

CHANGES IN METABOLITE CONCENTRATION IN THE PLASMA, LIVER AND MUSCLE OF FEED RESTRICTED JAPANESE QUAIL EXPOSED TO COLD. Thomas VG, George JC *Arch Int Physiol Biochim* 83: 505-18, Aug 75 (Eng) \*DL/76AUG616

LEG MUSCLE METABOLISM DURING EXERCISE IN THE HEAT AND COLD. Fink WJ, Costill DL, Van Handel PJ *Eur J Appl Physiol* 34: 183-90, 15 Aug 75 (Eng) \*DL/76AUG673

STUDIES ON PLASMA FREE-FATTY-ACID METABOLISM AND TRIGLYCERIDE SYNTHESIS OF BROWN ADIPOSE TISSUE IN VIVO DURING COLD-INDUCED THERMOGENESIS OF THE NEWBORN RABBIT. Schenk H, Heim T, Mende T, Varga F, Goetze E *Eur J Biochem* 58: 15-22, 1 Oct 75 (Eng) \*DL/76AUG675

### COLD ACCLIMATION

EFFECTS OF DIET AND COLD ACCLIMATION ON LIPID COMPOSITION OF RAT INTERSCAPULAR BROWN ADIPOSE TISSUE. Senault C, Hlusko MT, Portet R *Ann Nutr Aliment* 29: 67-77, 1975 (Eng) \*DL/76AUG891

### COLD EXPOSURE

[EFFECT OF ACUTE COLD EXPOSURE ON BLOOD COMPOSITION IN RATS TREATED WITH 6-HYDROXYDOPAMINE (AUTHORS TRANSL)] Honma K, Fukushima N, Maekubo H, Itoh S *Hokkaido J Med Sci* 50: 299-303, May 75 (Jpn) \*DL/76AUG517

EFFECT OF NEONATAL DECEREBRATION ON THERMOGENESIS DURING STARVATION AND COLD EXPOSURE IN THE RAT. Bignall KE, Heggeness FW, Palmer JE *Exp Neurol* 49: 174-88, Oct 75 (Eng) \*DL/76AUG679

### COLLAGEN

DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AG-

GREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

PURIFICATION AND PROPERTIES OF UDP-GLUCOSE GALACTOSYLHYDROXYLYSINE COLLAGEN GLUCOSYLTRANSFERASE (EC 2.4.1.) FROM BOVINE ARTERIAL TISSUE. Henkel W, Buddecke E *Hoppe Seylers Z Physiol Chem* 356: 921-8, Jun 75 (Eng) \*DL/76AUG695

[CONNECTIVE TISSUE AND AGING. (2) GLYCOSYLATION OF COLLAGEN AND AGING] Murai A, Miyahara T, Shiozawa S, Sanada K *Jpn J Geriatr* 12: 128-9, May 75 (Jpn) \*DL/76AUG734

PROCEEDINGS: MECHANISM OF COLLAGEN: GLUCOSYLTRANSFERASE AND ITS RELATION TO PLATELET: COLLAGEN ADHESION. Smith DF, Kosow DP, Jamieson GA *Thromb Diath Haemorrh* 34: 334, 30 Sep 75 (Eng) \*DL/76AUG850

### COLLAGENASE

PREPARATION OF ISLETS OF LANGERHANS FROM RABBITS AND HAMSTERS BY THE COLLAGENASE DIGESTION TECHNIQUE. Feldman JM, Chapman B *Acta Diabetol Lat* 12: 208-18, May-Aug 75 (Eng) DL/76AUG403

### COLON

FAT THICKNESS IN THE NEONATAL SMALL LEFT COLON SYNDROME. Kuhns LR, Berger PE, Poznanski AK, Holt JF *Am J Roentgenol* 126: 538-41, Mar 76 (Eng) DL/76AUG441

### COLORIMETRIC DETERMINATION

AN IMPROVED SEMI-AUTOMATED METHOD FOR THE COLORIMETRIC DETERMINATION OF TRIGLYCERIDES IN SERUM. Demacker PN, van Oppenraay JB, Baadenhuijsen H, Hansen AP *Clin Chim Acta* 64: 45-50, 1 Oct 75 (Eng) \*DL/76AUG661

### COMA

LETTER: RECOVERABLE ORGANIC PSYCHOSIS AFTER HYPOPHYSECTOMY COMA. Cohen SI *Br Med J* 1: 831, 3 Apr 76 (Eng) DL/76AUG18

[COMA HYPOGLYCAEMICUM POSTALCOHOLICUM] Andrejevic B *Lijec Vjesn* 97: 575-7, Nov 75 (Cro) DL/76AUG236

### COMA, DIABETIC

[HYPEROSMOTIC DIABETIC COMA FOLLOWING MYOCARDIAL INFARCTION] Wojtasik W *Wiad Lek* 29: 621-3, 1 Apr 76 (Pol) DL/76AUG374

[DIABETIC COMA AS A TASK FOR INTENSIVE THERAPY] Singer P, Rahn A, Schliack V Z *Gesamte Inn Med* 30: 161-2 concl, 1 Sep 75 (Ger) DL/76AUG381

### COMA, HYPEROSMOLAR

[HYPEROSMOLAR COMA] Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 395-404, 26 Mar 76 (Ger) DL/76AUG258

### COMA, HYPEROSMOLAR NONKETOTIC

GLYCEROL AND HYPEROSMOLAR NONKETOTIC COMA. Oakley DE, Ellis PP *Am J Ophthalmol* 81: 469-72, Apr 76 (Eng) DL/76AUG435

## Diabetes Literature—Keyword Index

### COMMUNITY

**CORONARY RISK FACTORS IN A COMMUNITY. FINDINGS IN TECUMSEH, MICHIGAN.** Ostrander LD Jr, Lamphiear DE *Circulation* 53: 152-6, Jan 76 (Eng) \*DL/76AUG478

**MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971.** Stamler J, Stamler R, Rhomberg P, Dyer A, Berkson DM, Reedus W, Wannamaker J J *Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

**OBESITY IN A NEW ZEALAND COMMUNITY.** Benson-Cooper D, Bird D, Laing JK, Hannah EE, Carrell RW, Beaven DW *NZ Med J* 82: 115-9, 27 Aug 75 (Eng) \*DL/76AUG754

### COMPLICATION

**DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS** Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201

**LETTER: DIABETES-RELATED NEUROPATHIC AND VASCULAR COMPLICATIONS.** Block BN *Postgrad Med* 59: 29, Mar 76 (Eng) DL/76AUG308

**METABOLIC ABNORMALITIES CONTRIBUTING TO DIABETIC COMPLICATIONS. II. PERIPHERAL NERVES.** Anderson JW *Am J Clin Nutr* 29: 402-8, Apr 76 (Eng) [67] DL/76AUG427

### COMPUTER

**[THE DECENTRALIZED COMPUTER SYSTEM IN THE HAMBURG-EPPENDORF UNIVERSITY HOSPITAL (AUTHORS TRANSL)]** Hohne KH *Munch Med Wochenschr* 117: 1769-74, 31 Oct 75 (Ger) \*DL/76AUG750

### CONE DYSTROPHY

**A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS.** Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

### CONFERENCE, CLINICOPATHOLOGIC

**FASTING HYPOGLYCEMIA. A CLINICOPATHOLOGIC CONFERENCE FROM VETERANS ADMINISTRATION HOSPITAL HINES, ILLINOIS.** Anonymous *Postgrad Med* 59: 221-3, 225, Mar 76 (Eng) DL/76AUG306

### CONGENITAL MALFORMATION

**FACTORS AFFECTING RISKS OF CONGENITAL MALFORMATIONS. II. EFFECT OF MATERNAL DIABETES ON CONGENITAL MALFORMATIONS.** Chung CS, Myrianthopoulos NC *Birth Defects* 11: 23-38, 1975 (Eng) [36] DL/76AUG8

### CONGESTIVE HEART FAILURE

**CONGESTIVE HEART FAILURE: ROLE OF ALTERED MYOCARDIAL CELLULAR CONTROL.** Katz AM *N Engl J Med* 293: 1184-91, 4 Dec 75 (Eng) \*DL/76AUG751

### CONNECTIVE TISSUE

**[CONNECTIVE TISSUE AND AGING. (2) GLYCOSYLATION OF COLLAGEN AND AGING]** Murai A, Miyahara T, Shiozawa S, Sanada K *Jpn J Geriatr* 12: 128-9, May 75 (Jpn) \*DL/76AUG734

### CONTRACEPTIVE, ORAL

**EFFECT OF LONG TERM USE OF ORAL CONTRACEPTIVES ON GLUCOSE TOLERANCE.** Muck BR *Arch Gynaecol* 220: 185-90, 5 Mar 76 (Eng) DL/76AUG460

**SOME EFFECTS OF AN ORAL CONTRACEPTIVE ON DIETARY CARBOHYDRATE-LIPID INTERRELATIONS IN THE BABOON.** Stovin V, Macdonald I *Proc Nutr Soc* 34: 55a-56a, Sep 75 (Eng) \*DL/76AUG768

### CONTRACTILE BEHAVIOR, HEART

**A POSSIBLE EXPLANATION FOR THE PECULIAR CONTRACTILE BEHAVIOR DISPLAYED BY RAT HEART MUSCLE.** Nayler WG, Dunnett J *Recent Adv Stud Cardiac Struct Metab* 5: 171-5, 1975 (Eng) \*DL/76AUG830

### CONTRACTILITY

**ROLE OF MITOCHONDRIAL CALCIUM METABOLISM IN THE ALTERED CONTRACTILITY OF PRESSURE-HYPERTROPHIED RIGHT VENTRICULAR MYOCARDIUM.** Sack DW, Cooper G 4th, Stava RM Jr, Coleman HM 3rd, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 195-202, 1975 (Eng) \*DL/76AUG832

### CONTRACTION CYCLE

**CHANGE IN MYOCARDIAL ADENOSINE 3, 5 CYCLIC MONOPHOSPHATE DURING THE CONTRACTION CYCLE.** Brooker G *Recent Adv Stud Cardiac Struct Metab* 3: 207-12, 1973 (Eng) \*DL/76AUG790

### CONVERSION, SORBITOL

**CONVERSION OF SORBITOL TO MANNITOL WHEN USED PARENTERALLY.** Soummerdauphant AM, Chambon P, Chabert JM *Clin Chim Acta* 67: 325-8, 15 Mar 76 (Eng) DL/76AUG42

### CONVOLUTED TUBULE, PROXIMAL

**REABSORPTION OF D-GLUCOSE FROM VARIOUS REGIONS OF THE RAT PROXIMAL CONVOLUTED TUBULE: EVIDENCE THAT THE PROXIMAL CONVOLUTION IS NOT HOMOGENEOUS.** Bode F, Chan YL, Goldner AM, Papavassiliou F, Wagner M, Baumann K *Curr Probl Clin Biochem* 4: 39-43, 1975 (Eng) \*DL/76AUG490

### CORE

**PERMEABILITY CHARACTERISTICS OF THE ADIPOCYTE CELL MEMBRANE AND PARTITIONING CHARACTERISTICS OF THE ADIPOCYTE TRIGLYCERIDE CORE.** Sherill BC, Dietschy JM *J Membr Biol* 23: 367-83, 1975 (Eng) \*DL/76AUG558

### CORONARY

**LIPID METABOLISM IN HUMAN CORONARY ARTERIES.** Bing RJ, Morita T, Hashimoto H, Larsen E *Recent Adv Stud Cardiac Struct Metab* 3: 53-8, 1973 (Eng) \*DL/76AUG803

### CORONARY ARTERY

**LIPID METABOLISM IN HUMAN CORONARY ARTERIES.** Bing RJ, Morita T, Hashimoto H, Larsen E *Recent Adv Stud Cardiac Struct Metab* 3: 53-8, 1973 (Eng) \*DL/76AUG803

**THE EFFECT OF CARBON MONOXIDE ON LIPID METABOLISM OF HUMAN CORONARY ARTERIES.** Sarma JS, Tillmanns H, Ikeda S,

## CORONARY RISK FACTOR

Bing RJ *Atherosclerosis* 22: 193-8, Sep-Oct 75 (Eng) \*DL/76AUG922

### CORONARY ATHEROSCLEROSIS

**[IMMUNOREACTIVE INSULIN IN OBESE PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL)]** Karlicek V, Topolcan O, Chudacek Z *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29

### CORONARY CIRCULATION

**ADAPTATION OF THE CORONARY CIRCULATION TO PRIMARY MYOCARDIAL DISEASE.** Klassen GA, Tanser PH, Marpole D, Agarwal JB *Recent Adv Stud Cardiac Struct Metab* 3: 497-506, 1973 (Eng) \*DL/76AUG802

### CORONARY DISEASE

**[CARBOHYDRATE TOLERANCE, SERUM INSULIN AND TRIGLYCERIDES IN CORONARY DISEASE]** Dobrev DG, Ilkov A *Vutr Boles* 14: 11-22, 1975 (Bul) DL/76AUG371

### CORONARY HEART DISEASE

**PREVENTION OF CORONARY HEART DISEASE.** Anonymous *Br Med J* 1: 881-2, 10 Apr 76 (Eng) DL/76AUG21

**PREVENTION OF CORONARY HEART DISEASE. REPORT OF A JOINT WORKING PARTY OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND THE BRITISH CARDIAC SOCIETY.** Anonymous *J R Coll Physicians Lond* 10: 213-75, Apr 76 (Eng) DL/76AUG200

**[MORPHOLOGY OF CORONARY HEART DISEASE (AUTHORS TRANSL)]** Knieriem HJ *Radiologe* 16: 84-8, Mar 76 (Ger) DL/76AUG329

**CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT.** Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

**[ANGINA PECTORIS - CORONARY HEART DISEASE]** Gattenlohn W *Schwed Rev* 14: 16-8, 15 Apr 76 (Ger) DL/76AUG337

**EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS.** Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

**CORONARY HEART DISEASE--THE GLOBAL PICTURE.** Keys A *Atherosclerosis* 22: 149-92, Sep-Oct 75 (Eng) [278] \*DL/76AUG921

### CORONARY RISK FACTOR

**TREADMILL EXERCISE TESTING OF MASS SCREENING FOR CORONARY RISK FACTORS.** Allen WH, Aronow WS, De Cristofaro D *Cathet Cardiovasc Diagn* 2: 39-48, 1976 (Eng) DL/76AUG32

**[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS]** Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardiolangiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275



## CORPUS LUTEUM

CORONARY RISK FACTORS IN A COMMUNITY. FINDINGS IN TECUMSEH, MICHIGAN. Ostrander LD Jr, Lamphiear DE *Circulation* 53: 152-6, Jan 76 (Eng) \*DL/76AUG478

## CORPUS LUTEUM

MECHANISM OF NUCLEOTIDE INHIBITION OF GONADOTROPIN BINDING TO CELL MEMBRANES OF BOVINE CORPUS LUTEUM. Rao CV *Mol Cell Endocrinol* 3: 255-71, Oct 75 (Eng) \*DL/76AUG507

ADENOSINE-3:5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME. Azhar S, Menon KM *Eur J Biochem* 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674

## CORTEX, CEREBRAL

EFFECTS OF HYPOXIA OF 10-45 SECONDS DURATION ON ENERGY METABOLISM IN THE CEREBRAL CORTEX OF UNANESTHETIZED AND ANESTHETIZED RATS. Norberg K, Quistorff B, Siesjö BK *Acta Physiol Scand* 95: 301-10, NOV 75 (Eng) \*DL/76AUG876

## CORTEX, KIDNEY

ISOLATION OF GLUCOSE BINDING PROTEIN FROM BRUSH BORDER MEMBRANES OF RAT KIDNEY CORTEX. Thomas L *Curr Probl Clin Biochem* 4: 51-5, 1975 (Eng) \*DL/76AUG492

DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX. Kinne R, Shlatz LJ, Kinne-Saffran E, Schwartz IL *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

## CORTICOSTEROID

PROPERTIES AND THERAPEUTIC USES OF SOME CORTICOSTEROIDS WITH ENHANCED TOPICAL POTENCY. Harris DM *J Steroid Biochem* 6: 711-6, May 75 (Eng) \*DL/76AUG736

## CORTICOSTEROID, PLASMA

EFFECTS OF INSULIN HYPOGLYCAEMIA IN THE SHEEP ON JUGULAR HAEMATOCRIT AND PLASMA CORTICOSTEROID CONCENTRATIONS. Dooley PC, Williams VJ *Aust J Biol Sci* 28: 503-9, Dec 75 (Eng) DL/76AUG466

## CORTICOSTERONE

PLASMA CORTICOSTERONE SECRETION IN RATS AFTER IRRADIATION. Groza P, Vladescu C *Physiologie* 12: 53-5, 1975 (Eng) \*DL/76AUG584

PLASMA CORTICOSTERONE AND CARDIAC GLYCOGEN LEVELS IN RATS AFTER EXERCISE. Poland JL, Myers TD, Witorsch RJ, Brandt RB *Proc Soc Exp Biol Med* 150: 148-50, Oct 75 (Eng) \*DL/76AUG778

## ALPHA1-24-CORTICOTROPIN

THE EFFECT OF ALPHA1-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN. Caccamo A, Garlaschi C, di Natale B, del Guercio MJ, Chiumello G *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705

## CORTISOL

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G Jr *Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D In: Scheving LE, et al., ed. *Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188

DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS. Roldan A, Stevens J, Hollander VP *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321

ROLE OF CORTISOL IN THE RESTITUTION OF BLOOD VOLUME AFTER HEMORRHAGE. Gann DS, Pirkle JC Jr *Am J Surg* 130: 565-9, Nov 75 (Eng) \*DL/76AUG611

## CORTISOL, PLASMA

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

## CORTISOL SECRETION

GROWTH HORMONE AND CORTISOL SECRETION AFTER ORAL AND INTRAVENOUS ADMINISTRATION OF METHYLDOPA. Syvalahti E, Seppala PO, Iisalo E *Acta Pharmacol Toxicol (Kbh)* 37: 257-64, Sep 75 (Eng) \*DL/76AUG874

## CORTISONE

FINE STRUCTURE OF PANCREAS IN CORTISONE-TREATED GUINEA PIGS AND RABBITS. Wellmann KF, Volk BW *Arch Pathol Lab Med* 100: 334-8, Jun 76 (Eng) DL/76AUG462

## COUPLING

STIMULUS-RESPONSE COUPLING IN NEUROHYPOPHYSIAL PEPTIDE TARGET CELLS. Jard S, Bockaert J *Physiol Rev* 55: 489-536, Oct 75 (Eng) \*DL/76AUG783

## COUPLING SITE

THE QUEST FOR COUPLING SITE 1. Singer TP, Gutman M *Horiz Biochem Biophys* 1: 261-302, 1974 (Eng) [48] \*DL/76AUG698

## COXSACKIE VIRUS, GROUP B

SUSCEPTIBILITY OF MICE TO GROUP B COXSACKIE VIRUS IS INFLUENCED BY THE DIABETIC GENE. Webb SR, Loria RM, Madge GE, Kibrick S Jr *Exp Med* 143: 1239-48, 1 May 76 (Eng) DL/76AUG191

## CRANIOPHARYNGIOMA

CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH. Costin G, Kogut MD, Phillips LS, Daughaday WH Jr *Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG142

## CREATINE KINASE

SOME PROPERTIES OF PIG HEART MITOCHONDRIAL CREATINE KINASE. Vial C, Gautheron DC *Recent Adv Stud Cardiac Struct Metab* 3: 81-9, 1973 (Eng) \*DL/76AUG815

## CRYPTORCHIDISM, BILATERAL

X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS. Abe K, Matsuda I, Matsuura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

## CRYSTALLINE GLUCAGON

TOTAL SYNTHESIS OF CRYSTALLINE GLUCAGON BY THE METHOD OF SOLID PHASE CONDENSATION OF FRAGMENTS. PROTEIN SYNTHESIS GROUP, SHANGHAI INSTITUTE OF BIOCHEMISTRY, ACADEMIA SINICA. Anonymous *Sci Sin* 18: 745-68, Nov-Dec 75 (Eng) DL/76AUG338

## CULAEAE INCONSTANS

SALINITY TOLERANCE AND EXTRACELLULAR OSMOREGULATION IN TWO SPECIES OF EURYHALINE TELEOSTS, CULAEAE INCONSTANS AND FUNDULUS DIAPHANUS. Ahokas RA, Duert FG *Comp Biochem Physiol* [A] 52: 445-8, 1 Nov 75 (Eng) \*DL/76AUG665

## CULTURE

CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES. Roos BA, Deftos LJ, Rorabaugh P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76

HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIBIA MEANS LIVER IN ORGAN CULTURE. Brown D, Fleming N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

ELECTRON MICROSCOPY OF CULTURED MAMMALIAN LENSES. II. CHANGES PRECEDING AND ACCOMPANYING INSULIN-INDUCED MITOSIS. Reddan JR, Unakut NJ *Invest Ophthalmol* 15: 411-7, May 76 (Eng) DL/76AUG125

FACTORS INFLUENCING BONE FORMATION IN ORGAN CULTURE. Raisz LG, Dietrich JW, Canalis EM *Isr J Med Sci* 12: 108-14, Feb 76 (Eng) DL/76AUG130

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman J *J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES. PP. 129-47. McCarty KS Jr, McCarty KS Sr In: Hess M, ed. *Electron microscopic concepts of secretion*. New York, Wiley, 1975. W 101 E38 1973. (Eng) DL/76AUG164

[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION] PP. 99-113. Mouriquand J In: Namer M, Lalanne CM, ed. *Hormones and breast cancer*. Paris, INSERM 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183

STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE. PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G In: Namer M, Lalanne CM, ed. *Hormones and breast*



cancer. Paris, INSERM, 1976, WP 870 H812h 1975. (Eng) DL/76AUG184

**SELECTIVE INHIBITION OF THE FACILITATED MODE OF SUGAR UPTAKE BY CYTOCHALASIN B IN CULTURED CHICK FIBROBLASTS.** Dolberg DS, Bassham JA, Bissell MJ *Exp Cell Res* 96: 129-37, Nov 75 (Eng) \*DL/76AUG498

**THE EFFECT OF 2-DEOXY-D-GLUCOSE AND 3-O-METHYL-D-GLUCOSE ON MUCOSUBSTANCE SECRETION IN CELL CULTURE.** Duguid R, Marsden JC *Biochem Soc Trans* 3: 498-9, 1975 (Eng) \*DL/76AUG684

## CUTANEOUS CHANGE

**[CUTANEOUS CHANGES IN DIABETES MELITUS WITH SPECIAL REFERENCE TO BULLIUS IDIOPATHICA]** Cubela V, Lusicky B, Ivankovic E *Dermatol Monatsschr* 161: 217-9, Mar 75 (Ger) DL/76AUG95

## CYCLASE, ADENYLATE

**LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE.** Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

**[ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION]** Cresteil T, Counis R, Raulin J *Biochimie* 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4

**ACTIVITY OF HUMAN ADENYLATE CYCLASE FROM HUMAN FAT CELL MEMBRANES.** Poupon R *Biomedicine [Express]* 23: 438-42, 20 Dec 75 (Eng) DL/76AUG5

**GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA.** Mulvehill JB, Hui YS, Barnes LD, Polumbo PJ, Dousa TP *J Clin Endocrinol Metab* 42: 380-4, Feb 76 (Eng) DL/76AUG143

**THE HLB DEPENDENCY FOR DETERGENT SOLUBILIZATION OF HORMONALLY SENSITIVE ADENYLATE CYCLASE.** Storm DR, Field SO, Ryan J *J Supramol Struct* 4: 221-31, 1976 (Eng) DL/76AUG221

**SIMPLE MODEL FOR HORMONE-ACTIVATED ADENYLATE CYCLASE SYSTEMS.** Hammes GG, Rodbell M *Proc Natl Acad Sci USA* 73: 1189-92, Apr 76 (Eng) DL/76AUG317

**POSTSYNTHETIC STABILIZED MODIFICATION OF ADENYLATE CYCLASE BY METABOLITES.** Brydon-Golz S, Bennun A *Biochem Soc Trans* 3: 721-4, 1975 (Eng) \*DL/76AUG505

**BREVIBACTERIUM LIQUEFACIENS ADENYLATE CYCLASE AND ITS IN VIVO STIMULATION BY PYRUVATE.** Lynch TJ, Tallant EA, Cheung WY *J Bacteriol* 124: 1106-12, Dec 75 (Eng) \*DL/76AUG524

**EFFECTS OF CHOROID PLEXUS PEPTIDE IIF ON ADENYLATE CYCLASE AND 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE.** Rudman D *J Pharmacol Exp Ther* 195: 532-9, Dec 75 (Eng) \*DL/76AUG552

**CARDIAC ADENYLATE CYCLASE. I. PREPARATION AND CHARACTERISATION OF A SUBCELLULAR FRACTION CONTAINING CATECHOLAMINE-SENSITIVE ADENYLATE CYCLASE.** Jarrott B, Picken GM *J Mol Cell Cardiol* 7: 685-95, Sep 75 (Eng) \*DL/76AUG730

**INTERACTION OF ENZYME I OF THE PHOSPHOENOLPYRUVATE-SUGAR PHOSPHOTRANSFERASE SYSTEM WITH ADENYLATE CYCLASE OF ESCHERICHIA COLI.** Peterkofsky A, Gazdar C *Proc Natl Acad*

*Sci USA* 72: 2920-4, Aug 75 (Eng) \*DL/76AUG760

**FATTY ACIDS AS MODULATORS OF MEMBRANE FUNCTIONS: CATECHOLAMINE-ACTIVATED ADENYLATE CYCLASE OF THE TURKEY ERYTHROCYTE.** Orly J, Schramm M *Proc Natl Acad Sci USA* 72: 3433-7, Sep 75 (Eng) \*DL/76AUG763

**MECHANISM OF ACTIVATION OF ADENYLATE CYCLASE BY CHOLERA TOXIN.** Sahyoun N, Cuatrecasas P *Proc Natl Acad Sci USA* 72: 3438-42, Sep 75 (Eng) \*DL/76AUG764

**RAPID CHANGES IN RAT PINEAL BETA-ADRENERGIC RECEPTOR: ALTERATIONS IN L-(3H)ALPRENOLOL BINDING AND ADENYLATE CYCLASE.** Kebabian JW, Zatz M, Romero JA, Axelrod J *Proc Natl Acad Sci USA* 72: 3735-9, Sep 75 (Eng) \*DL/76AUG766

**ROLE OF ADENYLATE CYCLASE-CYCLIC AMP IN CARDIAC ACTIONS OF ADRENERGIC AMINES.** Drummond GI, Hemmings SJ *Recent Adv Stud Cardiac Struct Metab* 3: 213-22, 1973 (Eng) \*DL/76AUG791

## CYCLIC AMP

SEE ADENOSINE-3,5-CYCLIC-MONOPHOSPHATE

## CYCLIC NUCLEOTIDE

**PROCEEDINGS: NEW SYNTHETIC DERIVATIVES OF NATURAL CYCLIC NUCLEOTIDES: THEIR EFFECT ON PLATELET BEHAVIOUR.** Pareti FI, Mannucci L, Carrera D, Mannucci PM *Thromb Diath Haemorrh* 34: 335-6, 30 Sep 75 (Eng) \*DL/76AUG851

## CYPROHEPTADINE

**PROCEEDINGS: THE EFFECTS OF CYPROHEPTADINE PRETREATMENT ON INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS.** Richardson BP, Berde B *Br J Pharmacol* 56: 356p-357p, Mar 76 (Eng) DL/76AUG11

**INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLIC-AMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS.** Joost HG, Beckmann J, Lenzen S, Haselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407

## CYSTOID MACULOPATHY

**CYSTOID MACULOPATHY IN DIABETICS.** Patz A. *Arch Ophthalmol* 94: 761-8, May 76 (Eng) DL/76AUG464

## CYTOCHALASIN B

**SELECTIVE INHIBITION OF THE FACILITATED MODE OF SUGAR UPTAKE BY CYTOCHALASIN B IN CULTURED CHICK FIBROBLASTS.** Dolberg DS, Bassham JA, Bissell MJ *Exp Cell Res* 96: 129-37, Nov 75 (Eng) \*DL/76AUG498

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## CYTOCHROME C

**PROTAMINE INHIBITION OF THE OXIDATIVE PHOSPHORYLATION IN INTACT, CYTOCHROME C-DEPLETED AND RESTORED MITOCHONDRIA.** Kossekova GP, Mitovska MI, Dancheva KI *Acta Biol Med Ger* 34: 539-47, 1975 (Eng) \*DL/76AUG870

## CYTOPLASM

**TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOHYPOPHYSAL CELLS.** PP. 287-98. Horvath E, Kovacs K, Stratmann IE, Ezrin C *Ino Hess M, ed. Electron microscopic concepts of secretion.* New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG165

## CYTOSOL

**RAT MYOCARDIAL PROTEIN KINASES. I. CYTOSOL.** Gibson K, Tichonicky L, Kruh J *Biochimie* 56: 1409-16, 1974 (Eng) \*DL/76AUG632

**STIMULATION OF EPINEPHRINE-SENSITIVE FAT CELL ADENYLATE CYCLASE BY CYTOSOL: EFFECT OF CHOLERA TOXIN.** Ganguly U, Greenough WB 3d *Proc Natl Acad Sci USA* 72: 3561-4, Sep 75 (Eng) \*DL/76AUG765

## CYTOTOXIC ANTIBODY

**RESEARCH ON A NEW TYPE OF ANTIINSULIN ANTIBODY IN A DIABETIC FEMALE PATIENT: THE CYTOTOXIC ANTIBODY. ANTIINSULIN CYTOTOXIC ANTIBODY.** Mathew E, Greidinger L *Allergol Immunopathol (Madr)* 4: 1-14, Jan-Feb 76 (Eng) DL/76AUG424

## CYTOTOXIC INTERMEDIATE

**ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE.** Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

## DBCAMP

SEE DIRIBUTYRYL ADENOSINE-3,5-CYCLIC-MONOPHOSPHATE

## DEATH

**REDUCTION IN MYOCARDIAL INFARCT SIZE: PREVENTION OF HEART CELL DEATH.** Kones RJ, Phillips JH *South Med J* 69: 442-8, Apr 76 (Eng) DL/76AUG342

**PREDICTORS OF SUDDEN CARDIAC DEATH.** Friedman GD, Klatsky AL, Siegelbaum AB *Circulation* 52: 164-9, Dec 75 (Eng) \*DL/76AUG656

## DECEREBRATION

**EFFECT OF NEONATAL DECEREBRATION ON THERMOGENESIS DURING STARVATION AND COLD EXPOSURE IN THE RAT.** Bignall KE, Heggeness FW, Palmer JE *Exp Neurol* 49: 174-88, Oct 75 (Eng) \*DL/76AUG679

## DEFECT

**MEMBRANE PERMEABILITY AS A CAUSE OF TRANSPORT DEFECTS IN EXPERIMENTAL FANCONI SYNDROME. A NEW HYPOTHESIS.** Bergeron M, Dubord L, Hausser C, Schwab C *J Clin Invest* 57: 1181-9, May 76 (Eng) DL/76AUG150

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## Diabetes Literature—Keyword Index

### DEFECTIVE GLUCOSE TRANSPORT

TION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS. Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

### DEFECTIVE GLUCOSE TRANSPORT

CATABOLITE REPRESSION IN ESCHERICHIA COLI K12 MUTANTS DEFECTIVE IN GLUCOSE TRANSPORT. Gershanovitch VN, Yourovitskaya NV, Komissarova LV, Bolshakova TN, Erlagaeva RS, Bourd GI *Mol Gen Genet* 140: 81-90, 13 Sep 75 (Eng) \*DL/76AUG748

### DEFICIENCY

[HYPOGLYCEMIA. PART 4. GENERAL CAUSES, PHYSIOLOGICAL NEWBORN HYPERGLYCEMIA, HYPERGLYCEMIA IN VARIOUS ILLNESSES, METABOLIC DEFICIENCY, AND METABOLIC ERROR] Forster H *Fortachr Med* 94: 332-8, 19 Feb 76 (Ger) DL/76AUG109

THE SIGNIFICANCE OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN PREGNANCY. Perkins RP *Am J Obstet Gynecol* 125: 215-23, 15 May 76 (Eng) DL/76AUG431

### DEFICIENCY, THIAMIN

EFFECT OF POLYCHLORINATED BIPHENYLS AND THIAMIN DEFICIENCY ON LIVER METABOLISM IN GROWING RATS. Berdaniel CD, Tobin RB, Nielsen RC, Mehman MA, Veech RL *J Toxicol Environ Health* 1: 91-105, Sep 75 (Eng) \*DL/76AUG732

### DEHYDRATION

EFFECT OF THERMAL STRESS AND DEHYDRATION ON PLASMA LEVELS OF GLUCOSE, FREE FATTY ACIDS AND GROWTH HORMONE IN THE PIGEON. John TM, McKeown BA, George JC *Arch Int Physiol Biochem* 83: 303-8, May 75 (Eng) \*DL/76AUG615

### 14C-DEHYDROEPIANDROSTERONE

METABOLISM OF 14C-DEHYDROEPIANDROSTERONE IN FEMALE ADIPOSE TISSUE AND VENOUS BLOOD. Schindler AE, Aymar M *Endocrinol Exp (Bratisl)* 9: 215-22, Sep 75 (Eng) \*DL/76AUG668

### DEHYDROGENASE

[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANS)] Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

### DEHYDROGENASE, D-3-HYDROXYBUTYRATE

DETERMINATION OF D-3-HYDROXYBUTYRATE DEHYDROGENASE IN MOUSE PANCREATIC ISLETS WITH A PHOTOKINETIC TECHNIQUE USING BACTERIAL LUCIFERASE. Berne C *Enzyme* 21: 127-36, 1976 (Eng) DL/76AUG84

### DEHYDROGENASE, GLUCOSE-6-PHOSPHATE

THE SIGNIFICANCE OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN PREGNANCY. Perkins RP *Am J Obstet Gynecol* 125: 215-23, 15 May 76 (Eng) DL/76AUG431

[CHANGES IN GLUCOSE-6-PHOSPHATE DEHYDROGENASE ACTIVITY IN THE HUMAN PLACENTA DURING PREGNANCY] Csaba I, Nagy P, Szabo I, Bucs G, Varga K *Zentralbl Gynaekol* 97: 714-7, 1975 (Ger) \*DL/76AUG866

### DEHYDROGENASE, GLYCERALDEHYDE-3-PHOSPHATE

FURTHER CHARACTERIZATION OF THE ASSOCIATION OF GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE WITH RETICULOCYTE MEMBRANES. Letko G, Bohnsack R *Acta Biol Med Ger* 34: 1145-51, 1975 (Eng) \*DL/76AUG596

### DEHYDROGENASE, PYRUVATE

THE PYRUVATE DEHYDROGENASE MULTIZYME COMPLEX. Hucho F *Angew Chem [Engl]* 14: 591-601, Sep 75 (Eng) [135] \*DL/76AUG887

### DELIRIUM TREMENS

PLASMA IMMUNOREACTIVE INSULIN AND SOMATOTROPIN IN DELIRIUM TREMENS AND ALCOHOL HALLUCINOSIS. Dobrzanski T, Pieschl D *J Stud Alcohol* 37: 327-33, Mar 76 (Eng) DL/76AUG224

### DELIVERY

[CHILDREN OF DIABETIC MOTHERS—RELATIONSHIP BETWEEN METABOLIC CONDITIONS AFTER DELIVERY AND LONG-TERM PROGNOSIS] Zerkulakova J, Pribylova H *Cesk Pediatr* 31: 57-60, Feb 76 (Cze) DL/76AUG33

### C-4-DEMETHYLATION

THE MECHANISM OF C-4 DEMETHYLATION DURING CHOLESTEROL BIOSYNTHESIS. Wilton DC, Akhtar M *Biochem J* 149: 233-5, Jul 75 (Eng) \*DL/76AUG913

### 6-DEOXY-D-GLUCOSE

TRANSPORT OF 4-DEOXY- AND 6-DEOXY-D-GLUCOSE IN BAKERS YEAST. Kotyk A, Michaljanicova D, Veres K, Soukupova V *Folia Microbiol (Praha)* 20: 496-503, 1975 (Eng) \*DL/76AUG515

### 2-DEOXYGLUCOSE

UPTAKE OF THE GLUCOSE ANALOGUE 2-DEOXYGLUCOSE BY GERMINATING MITOSPORES OF ALLOMYCES MACROGYNUS. Burke DD *J Bacteriol* 124: 843-8, Nov 75 (Eng) \*DL/76AUG712

### 2-DEOXY-D-GLUCOSE

STIMULATION OF 2-DEOXY-D-GLUCOSE TRANSPORT IN CONTROL AND VIRUS-TRANSFORMED CELLS BY ETHIDIUM BROMIDE. Soslau G, Nass MM *J Cell Physiol* 86: 269-80, Oct 75 (Eng) \*DL/76AUG538

TRANSPORT-ASSOCIATED PHOSPHORYLATION OF 2-DEOXY-D-GLUCOSE IN SACCHAROMYCES FRAGILIS. Jaspers HT, van Steveninck J *Biochim Biophys Acta* 406: 370-85, 17 Oct 75 (Eng) \*DL/76AUG629

THE EFFECT OF 2-DEOXY-D-GLUCOSE AND 3-O-METHYL-D-GLUCOSE ON MUCOSUBSTANCE SECRETION IN CELL CULTURE. Duguid R, Marsden JC *Biochem Soc Trans* 3: 498-9, 1975 (Eng) \*DL/76AUG684

DRINKING AND FEEDING INDUCED BY JUGULAR AND PORTAL INFUSIONS OF 2-DEOXY-D-GLUCOSE. Russell PJ, Mogenson GJ *Am J*

*Physiol* 229: 1014-8, Oct 75 (Eng) \*DL/76AUG882

### 4-DEOXY-D-GLUCOSE

TRANSPORT OF 4-DEOXY- AND 6-DEOXY-D-GLUCOSE IN BAKERS YEAST. Kotyk A, Michaljanicova D, Veres K, Soukupova V *Folia Microbiol (Praha)* 20: 496-503, 1975 (Eng) \*DL/76AUG515

### DEPOLARIZATION, HIGH K

STIMULATION OF 4SCA EFFLUX FROM SMOOTH MUSCLE CELLS BY METABOLIC INHIBITION AND HIGH K DEPOLARIZATION. Van Breemen C, Wuytack F, Casteels R, Martinelli B, Campailla E, Ferrari G *Pflugers Arch* 359: 183-96, 9 Sep 75 (Eng) \*DL/76AUG758

### DEPOT-INSULIN

[TISSUE EXCISION AT THE INJECTION SITE AS A POSSIBLE EMERGENCY THERAPY IN SUICIDE USING DEPOT-INSULIN] Guderjahn R *Med Welt* 27: 538-9, 12 Mar 76 (Ger) DL/76AUG239

### DETECTION

[DETECTION AND PREVENTIVE MEDICAL EXAMINATION OF CHILDREN WITH A HEAVY HISTORY IN CONNECTION WITH DIABETES MELLITUS] Khodorovskaia IK, Bakhareva TP *Vopr Okhr Materin Det* 20: 87, Sep 75 (Rus) DL/76AUG365

DETECTION AND CHARACTERIZATION OF MIDDLE-AGED MEN WITH HYPERTENSION. Hedstrand H, Aberg H *Acta Med Scand* 199: 273-80, 1976 (Eng) DL/76AUG419

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

### DETECTION, EARLY

[EARLY DETECTION OF DIABETES MELLITUS IN ADULTS AND FACTORS OF INCREASED RISK OF ITS DEVELOPMENT] Antonov IuS, Khizhniak MI *Ter Arkh* 48: 114-9, 1976 (Rus) DL/76AUG349

### DETERGENT

THE HLB DEPENDENCY FOR DETERGENT SOLUBILIZATION OF HORMONALLY SENSITIVE ADENYLATE CYCLASE. Storm DR, Field SO, Ryan J *J Supramol Struct* 4: 221-31, 1976 (Eng) DL/76AUG221

### DEXAMETHASONE

THE EFFECTS OF DEXAMETHASONE AND STARVATION ON BODY COMPOSITION AND REGIONAL ADIPOSE TISSUE CELLULARITY IN THE RAT. Krotkiewski M, Bjornorp P *Acta Endocrinol (Kbh)* 80: 667-75, Dec 75 (Eng) \*DL/76AUG871

### DEXTROSE

COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA. Bonkowski HL, Magnusson CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

DEXTROSTIX

CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL. Frantz ID 3d, Medina G, Tausch HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng) \*DL/76AUG722

DEXTROTHYROXINE

EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS. Nandan R, Fisher JD, Towery EP, Brown DR, Ganote E, Jennings RB *Atherosclerosis* 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924

DIABETES, EXPERIMENTAL

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ISLETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION. Federlin K, Slijepcevic M, Helmke K *Horm Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116

DIABETES INSIPIDUS

[COMBINED CLOFIBRATE-CHLORPROPAMIDE THERAPY IN DIABETES INSIPIDUS COMPLICATED WITH DIABETES MELLITUS] Czako L, Laszlo FA, Kahan-Laszlo I *Endokrinologie* 65: 364-74, 1975 (Ger) DL/76AUG82

[INFLUENCE OF CHLORPROPAMIDE ON THE EXCRETION OF ELECTROLYTES IN DIABETES INSIPIDUS] Pecci-Popovic E, Janjic M, Kicic M *Glas Srp Akad Nauka [Med]* 77-84, 1975 (Ser) DL/76AUG104

DIABETES, LATENT

MEDICINE AND THE LAW. CAN TRAUMA TRIGGER LATENT DIABETES. Revetto WS *Postgrad Med* 59: 231-5, Apr 76 (Eng) DL/76AUG310

DIABETES, LIPOATROPHIC

[LIPOATROPHIC DIABETES] de Dobbeleer G, Dive M, Balasse E *Arch Belg Dermatol* 30: 107-9, Apr-Jun 74 (Fre) DL/76AUG453

DIABETES MANAGEMENT

PEDIATRICS: OFFICE MANAGEMENT OF DIABETES MELLITUS IN CHILDREN. Chase HP *Postgrad Med* 59: 243-53, May 76 (Eng) DL/76AUG313

DIABETES, MANIFEST

[POSSIBILITIES IN PREVENTION OF MANIFEST DIABETES MELLITUS IN POTENTIAL DIABETICS (PRELIMINARY REPORT)] Dvorakova L, Valnickova J, Mikan M, Prokes J *Vnitř Lek* 22: 262-7, Mar 76 (Cze) DL/76AUG360

DIABETES MANIFESTATION

[DIAGNOSIS OF THE EARLY STAGES OF DIABETES AND PREVENTION OF DIABETES MANIFESTATIONS] Michaelis D, Neumann I, Schulz B *Z Gesamte Inn Med* 30: 42-4, May 75 (Ger) DL/76AUG386

DIABETES, MATERNAL

FACTORS AFFECTING RISKS OF CONGENITAL MALFORMATIONS. II. EFFECT OF MATERNAL DIABETES ON CONGENITAL MALFORMATIONS. Chung CS, Myrianthopoulos NC *Birth Defects* 11: 23-38, 1975 (Eng) [36] DL/76AUG8

DIABETES MELLITUS, CHEMICAL

[CHARACTERISTICS OF CHEMICAL DIABETES MELLITUS IN WOMEN] Petcu D, Motocu M, Gligore V *Rev Med Intern [Med Intern]* 28: 145-51, Mar-Apr 76 (Rum) DL/76AUG334

DIABETES MELLITUS, MATURITY ONSET

CLINICAL EVALUATION OF A NEW SULFONYLUREA IN MATURITY ONSET DIABETES - GLIPIZIDE (K-4024). Bandiside MS, Boshell BR *Horm Metab Res* 8: 89-91, Mar 76 (Eng) DL/76AUG114

VASCULITIS IN MATURITY-ONSET DIABETES MELLITUS. Barner HB *JAMA* 235: 2495, 7 Jun 76 (Eng) DL/76AUG208

DIABETES MELLITUS REMISSION

REMISSION OF DIABETES MELLITUS DURING PREGNANCY. Gabbe SG, Dizerega GS, Mestman JH *Am J Obstet Gynecol* 125: 264-5, 15 May 76 (Eng) DL/76AUG432

DIABETES MELLITUS, VIRUS INDUCED

VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS. Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

DIABETES THERAPY

[DIABETES THERAPY—CONCLUSION. SEQUEL 3: THERAPEUTIC FAILURES, COUNTERINDICATIONS OF DRUG THERAPY, SIDE-EFFECTS, THERAPY OF DISEASES AND SPECIAL CONDITIONS, THERAPY OF SIDE-EFFECTS] Forster H, Forster H *Fortschr Med* 93: 1253-5, 25 Sep 75 (Ger) DL/76AUG108

[SOMATOSTATIN AND SOMATOMEDINS—NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY] Efendic S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227

[DIABETES THERAPY WITH A NEW ANTIDIABETIC PRO-DIABAN] Dols W *Ther Ggw* 115: 428-36, Mar 76 (Ger) DL/76AUG351

DIABETIC AUTONOMIC NEUROPATHY

EDITORIAL: STRUCTURE AND FUNCTION IN DIABETIC AUTONOMIC NEUROPATHY. Anonymous *Br Med J* 1: 544-5, 6 Mar 76 (Eng) DL/76AUG12

DIABETIC COMPLICATION

METABOLIC ABNORMALITIES CONTRIBUTING TO DIABETIC COMPLICATIONS. II. PERIPHERAL NERVES. Anderson JW *Am J Clin Nutr* 29: 402-8, Apr 76 (Eng) [67] DL/76AUG427

DIABETIC FOOT

THE MANAGEMENT OF DIABETIC FOOT PROBLEMS. Marcove RC *Compr Ther* 1: 36-9, May 75 (Eng) DL/76AUG55

DIABETIC KETOACIDOSIS

[INFLUENCE OF HYPOPHOSPHATEMIA ON ERYTHROCYTE METABOLISM IN DIABETIC KETO-ACIDOSIS] Lyonnaïs J, Card RT, Brain MC *Union Med Can* 104: 560-4, Apr 75 (Fre) DL/76AUG354

DIABETIC MOTHER

[CHILDREN OF DIABETIC MOTHERS—RELATIONSHIP BETWEEN METABOLIC CONDITIONS AFTER DELIVERY AND LONG-TERM PROGNOSIS] Zezulakova J, Pribylova H *Cesk Pediatr* 31: 57-60, Feb 76 (Cze) DL/76AUG33

[COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415

[SOMATIC AND MENTAL DEVELOPMENT OF CHILDREN FROM DIABETIC MOTHERS: RESULTS OF A FOLLOW-UP AT AGES BETWEEN 4 TO 16 YEARS] Amendt P *Acta Paediatr Acad Sci Hung* 16: 299-315, 1975 (Ger) DL/76AUG416

DIABETIC PATIENT

[BEDSIDE NURSING. HEALTH INSTRUCTION FOR DIABETIC PATIENTS] Ishizaka S *Jpn J Nurs* 40: 278-81, Mar 76 (Jpn) DL/76AUG212

SEVERE HYPONATRAEMIA IN DIABETIC PATIENTS TREATED WITH CHLORPROPAMIDE OR PHENFORMINE. de Troyer A, Devis G, Demanet JC *Acta Clin Belg* 30: 108-14, 1975 (Eng) DL/76AUG398

DIABETIC PREGNANCY

DIABETIC PREGNANCY. Brundenell M *Nurs Mirror* 142: 60-2, 8 Apr 76 (Eng) DL/76AUG300

DIABETIC TWIN

ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS. Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

DIAGNOSIS

PATHOGENESIS, DIAGNOSIS AND TREATMENT OF DIABETIC KETOACIDOSIS. Kogut MD *Curr Probl Pediatr* 6: 1-35, Feb 76 (Eng) [177] DL/76AUG60

THE ASSESSMENT OF NOCTURNAL REMISSION OF SEXUAL IMPOTENCE. Fisher C, Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL/76AUG203

EYE DISORDERS: USING ULTRASOUND IN OPHTHALMOLOGIC DIAGNOSIS. Hodes BL *Postgrad Med* 59: 197-203, Apr 76 (Eng) DL/76AUG309

SECONDARY METABOLIC ENCEPHALOPATHY. DIAGNOSIS AND TREATMENT. Saper JR *Postgrad Med* 59: 122-8, May 76 (Eng) [84] DL/76AUG312

## DIAGNOSTIC

- [FUNCTIONAL DIENCEPHALO-PITUITARY DIAGNOSIS BY MEANS OF RADIOIMMUNOASSAY] Iacono G *Quad Scavo Diagn* 11: 218-38, Jun 75 (Ita) DL/76AUG327
- [DIAGNOSIS OF DIABETIC POLYNEUROPATHY] Manovich EE, Prikhozhan VM *Sov Med* 64-7, Dec 75 (Rus) DL/76AUG344
- [DIAGNOSIS OF THE EARLY STAGES OF DIABETES AND PREVENTION OF DIABETES MANIFESTATIONS] Michaelis D, Neumann I, Schulz B *Z Gesamte Inn Med* 30: 42-4, May 75 (Ger) DL/76AUG386
- [DIRECTED LABORATORY DIAGNOSIS FOR THE GENERAL PRACTITIONER] Nord-Wurtemberg KV *ZFA* 52: 285-303, 29 Feb 76 (Ger) DL/76AUG392
- [CHROMAFFINE TUMOURS: DIAGNOSIS AND CATAMNESTIC FEATURES BASED ON THE DATA COLLECTED AT THE INSTITUTE OF EXPERIMENTAL THERAPY BETWEEN 1949 AND 1974 (AUTHORS TRANSL.)] Ebel H, Classen HG *Arzneim Forsch* 25: 1610-21, Oct 75 (Ger) \*DL/76AUG621
- [DIAGNOSIS AND TREATMENT OF INSULINOMA] Borovyi EM, Martyniuk IuM, Nesterenko LN, Syvii Nlu *Frach Delo* 90-1, Mar 74 (Rus) \*DL/76AUG861

## DIAGNOSTIC

- DIAGNOSTIC USE OF PANCREATIC LIPASE DETERMINATION BY RADIAL ENZYME DIFFUSION, AND DESIGN OF A ROUTINE PANCREATIC PROFILE. Goldberg JM *Clin Chem* 22: 638-42, May 76 (Eng) DL/76AUG40
- [DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE I. COMPARISON OF THE 2 DIAGNOSTIC METHODS] Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Palumieri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99
- [DIAGNOSTIC SIGNIFICANCE OF HYPERGLYCEMIC CURVES IN ATHEROSCLEROTIC PSYCHOSIS] Aminov KhA *Lah Delo* 443-4, 1975 (Rus) DL/76AUG219
- THE USE OF SCREENING AND DIAGNOSTIC PROCEDURES: THE ORAL GLUCOSE TOLERANCE TEST. Prout TE *Mod State Med J* 25: 62-5, May 76 (Eng) DL/76AUG225
- [DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS] Andreoni G, Ragaglia G, Schiavi W, Bernaccino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578
- [DIAGNOSTIC EVALUATION OF VARIOUS BLOOD VALUES IN THE HORSE] Kraft W, Mayer H, Eikmeier H *Tierarztl Prax* 3: 199-204, 1975 (Ger) \*DL/76AUG587

## DIALYSIS

- EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA. Davidson MB, Fisher MB, Dabir-Vaziri N, Schaffer M *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245

## P-DIAZOBENZENESULFONATE

- INHIBITION OF MITOCHONDRIAL PHOSPHATE TRANSPORT BY P-DIAZOBENZENESULFONATE. Dawson AP *Biochem J* 144: 597-99, Dec 74 (Eng) \*DL/76AUG911

## DIAZOXIDE

- DIAZOXIDE. Koch-Weser J *N Engl J Med* 294: 1271-3, 3 Jun 76 (Eng) [41] DL/76AUG268

## DIBUTYRYL ADENOSINE-3,5-CYCLICMONOPHOSPHATE

- CARDIAC AND METABOLIC EFFECTS OF DIBUTYRYL CYCLIC AMP IN THE INTACT DOG HEART AND THE ISOLATED PERFUSED RAT HEART. Dhalla NS, Chernecki W, Gandhi SS, McNamara DB, Naimark A *Recent Adv Stud Cardiac Struct Metab* 3: 233-50, 1973 (Eng) \*DL/76AUG793
- EFFECT OF DIBUTYRYL CYCLIC AMP ON MYOCARDIAL PERFORMANCE IN VIVO. Cutilletta AF, Lin CY, Thilenius OG, Arcilla RA *Recent Adv Stud Cardiac Struct Metab* 3: 251-9, 1973 (Eng) \*DL/76AUG794
- HEART TRIGLYCERIDE AND GLYCOGEN METABOLISM: EFFECTS OF CATECHOLAMINES, DIBUTYRYL CYCLIC AMP, THEOPHYLLINE, AND FATTY ACIDS. Crass MF *3rd Recent Adv Stud Cardiac Struct Metab* 3: 275-90, 1973 (Eng) \*DL/76AUG796

## DIENCEPHALO-PITUITARY DIAGNOSIS

- [FUNCTIONAL DIENCEPHALO-PITUITARY DIAGNOSIS BY MEANS OF RADIOIMMUNOASSAY] Iacono G *Quad Scavo Diagn* 11: 218-38, Jun 75 (Ita) DL/76AUG327

## DIET

- INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET. Ginsberg H, Olefsky JM, Kimmerling G, Crapo P, Reaven GM *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145
- EFFECTS OF 1,3-BUTANEDIOL AND 1,2-PROPANEDIOL ON BLOOD KETONE BODIES AND GLUCOSE IN SHEEP FED RESTRICTED DIETS. Emmanuel B, Nahapetian A *J Anim Sci* 41: 1468-73, Nov 75 (Eng) \*DL/76AUG523
- EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED INTESTINAL EPITHELIAL CELLS OF THE CHICK. Raheja KL, Tepperman J, Tepperman HM *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548
- SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION. Thorogood M, Mann JJ *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774
- EFFECTS OF DIET AND COLD ACCLIMATION ON LIPID COMPOSITION OF RAT INTERSCAPULAR BROWN ADIPOSE TISSUE. Senault C, Hlusko MT, Portet R *Ann Nutr Aliment* 29: 67-77, 1975 (Eng) \*DL/76AUG891
- [PROCEEDINGS: EFFECT OF OESTROGENS AND DIET ON LIPIDS IN THE PLASMA OF CASTRATED RATS OF BOTH SEXES (AUTHORS TRANSL.)] Pottier C, Lederer J *Ann Endocrinol (Paris)* 36: 115-6, Mar-Apr 75 (Fre) \*DL/76AUG893

## DIET, CHEMICALLY DEFINED

- CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Persson B, Demisse H, Sterky G *Infusionstherapie* 2 suppl 3: 34-6, 1975 (Eng) \*DL/76AUG703

## DIET, FAT

- LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES: USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GJ, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am*

- J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879

## DIET, LOW FAT

- DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

## DIET, PROTEIN

- PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D *In* Scheving LE, et al., ed. *Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188

- VARIATIONS IN THE COMPOSITION OF BLOOD AND URINE FOLLOWING THE INGESTION OF A HIGH-PROTEIN DIET. Heeley DM, Sharman IM, Cooper DF *Proc Nutr Soc* 34: 69a, Sep 75 (Eng) \*DL/76AUG771

## DIET, STOCK

- EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS. Reiser S, Michaelis OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777

## DIET, SYNTHETIC

- [THE IMPORTANCE OF THE CARBOHYDRATE PORTION IN A SYNTHETIC DIET] Forster H, Heller G, Fortmeyer HP *Infusionstherapie* 2: 327-36, Oct 75 (Ger) \*DL/76AUG702

## DIETARY

- ALTERATION OF GLUCOSE TOLERANCE BY DIETARY L-TRYPTOPHAN IN RATS. Wittman JS *3d J Nutr* 106: 631-5, May 76 (Eng) DL/76AUG199
- DIETARY REGULATION OF SERUM LIPIDS IN HEALTHY, YOUNG ADULTS. Hill P, Wynder EL *J Am Diet Assoc* 68: 25-30, Jan 76 (Eng) \*DL/76AUG545
- PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANSLATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY. Haeflner EW, Privett OS *Hoppe Seylers Z Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692
- THE EFFECT OF DIETARY SUCROSE AND DIFFERENT DIETARY FATS ON HYPERLIPIDAEMIA AND ATHEROSCLEROSIS IN WHITE LEGHORN COCKERELS (GALLUS DOMESTICUS). Worcester NA, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 82a-83a, Sep 75 (Eng) \*DL/76AUG773
- EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS. Waterman RA, Romsos DR, Tsai AC, Miller ER, Leveille GA *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779
- EFFECTS OF DIETARY ERUCIC AND LINOLEIC ACID ON MYOCARDIAL FUNCTION IN RATS. ten Hoor F, van de Graaf HM, Vergoosen AJ *Recent Adv Stud Cardiac Struct Metab* 3: 59-72, 1973 (Eng) \*DL/76AUG807



## Diabetes Literature—Keyword Index

## DISORDER

### DIETARY CARBOHYDRATE

**METABOLIC EFFECTS OF DIETARY CARBOHYDRATES—A REVIEW.** PP. 20-45. Reiser S In0 *Jeunes A*, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [106] DL/76AUG173

**SOME EFFECTS OF AN ORAL CONTRACEPTIVE ON DIETARY CARBOHYDRATE-LIPID INTERRELATIONS IN THE BABOON.** Stovin V, Macdonald I *Proc Nutr Soc 34: 55a-56a*, Sep 75 (Eng) \*DL/76AUG768

**THE SYNERGISTIC EFFECT OF DIETARY CARBOHYDRATES ON THE PASSAGE OF AMINO ACIDS TO THE SMALL INTESTINE OF THE SHEEP.** Offer NW, Evans RA, Oxford RF *Proc Nutr Soc 34: 67a-68a*, Sep 75 (Eng) \*DL/76AUG770

### DIETARY FIBER

**DEFINITION OF DIETARY FIBER AND HYPOTHESES THAT IT IS A PROTECTIVE FACTOR IN CERTAIN DISEASES.** Trowell H *Am J Clin Nutr 29: 417-27*, Apr 76 (Eng) [74] DL/76AUG428

### DIETARY FRUCTOSE

**BENEFITS OF DIETARY FRUCTOSE IN ALLEVIATING THE HUMAN STRESS RESPONSE.** PP. 54-72. Palm JD In0 *Jeunes A*, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) DL/76AUG170

### DIFFUSION

**DIAGNOSTIC USE OF PANCREATIC LIPASE DETERMINATION BY RADIAL ENZYME DIFFUSION, AND DESIGN OF A ROUTINE PANCREATIC PROFILE.** Goldberg JM *Clin Chem 22: 638-42*, May 76 (Eng) DL/76AUG40

**FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO.** Maroudas A, Stockwell RA, Nachemson A, Urban J *J Anat 120: 113-30*, Sep 75 (Eng) \*DL/76AUG706

### DIFFUSION KINETICS

**ACCELERATIVE EXCHANGE DIFFUSION KINETICS OF GLUCOSE BETWEEN BLOOD AND BRAIN AND ITS RELATION TO TRANSPORT DURING ANOXIA.** Betz AL, Gilboe DD, Drewes LR *Biochim Biophys Acta 401: 416-28*, 2 Sep 75 (Eng) \*DL/76AUG624

### DIGESTION

**[PARIETAL (MEMBRANEOUS) DIGESTION UNDER NORMAL AND PATHOLOGICAL CONDITIONS]** Danovskii LV *Klin Med (Mosk)* 53: 17-23, Nov 75 (Rus) [54] DL/76AUG218

**PREPARATION OF ISLETS OF LANGERHANS FROM RABBITS AND HAMSTERS BY THE COLLAGENASE DIGESTION TECHNIQUE.** Feldman JM, Chapman B *Acta Diabetol Lat 12: 208-18*, May-Aug 75 (Eng) DL/76AUG403

### DIGITAL BIOPSY

**[DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE 1. COMPARISON OF THE 2 DIAGNOSTIC METHODS]** Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Palumneri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99

### DIGITALIS

**ROLE OF NA&K-ATP-ACTIVATED ADENOSINE TRIPHOSPHATASE IN THE TRANSMEMBRANE TRANSPORT OF K& AND NA&: RELATIONSHIPS TO THE IOTROPIC AND ELECTROPHYSIOLOGIC EFFECTS OF DIGITALIS.** Ten Eick RE, Bassett AL, Okita GT *Recent Adv Stud Cardiac Struct Metab 4: 107-17*, 1974 (Eng) \*DL/76AUG816

### DIPROPIONATE, BECLOMETHASONE

**SOME PROPERTIES OF BECLOMETHASONE DIPROPIONATE AND RELATED STEROIDS IN MAN.** Harris DM *Postgrad Med J 51 SUPPL 4: 20-5*, 1975 (Eng) \*DL/76AUG582

### DISEASE

**SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG.** Lisi P, Calandra P *Ital Gen Rev Dermatol 11: 215-20*, Sep-Dec 74 (Eng) DL/76AUG129

**SEIZURE DISORDERS AS THE SOLE MANIFESTATION OF OCCLUSIVE VASCULAR DISEASE.** PP. 214-24. Waddington MM, R DISEASE. PP. In0 Austin GM, ed. *Microneurosurgical anastomoses for cerebral ischemia*. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m. (Eng) DL/76AUG160

**EALES DISEASE WITH NEUROLOGICAL INVOLVEMENT. PART 2. PATHOLOGY AND PATHOGENESIS.** Dastur DK, Singhal BS *J Neurol Sci 27: 323-45*, Mar 76 (Eng) DL/76AUG195

**THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE.** Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract 26: 157-69*, Mar 76 (Eng) DL/76AUG202

**DEFINITION OF DIETARY FIBER AND HYPOTHESES THAT IT IS A PROTECTIVE FACTOR IN CERTAIN DISEASES.** Trowell H *Am J Clin Nutr 29: 417-27*, Apr 76 (Eng) [74] DL/76AUG428

**MEDICAL DISORDERS IN A SMALL CARIBBEAN ISLAND. AN ANALYSIS OF THE DISEASE OF ADULTS IN DOMINICA IN 1972 AND 1973.** Grell GA *Ann Trop Med Parasitol 70: 1-10*, Mar 76 (Eng) DL/76AUG455

### DISEASE, ENDOCRINE

**ENDOCRINE AND METABOLIC DISEASES. MODERN APPROACH TO DIABETES MELLITUS—II.** Stowers JM *Br Med J 1: 573-4*, 6 Mar 76 (Eng) DL/76AUG14

### DISEASE, HEART

**PREVENTION OF CORONARY HEART DISEASE.** Anonymous *Br Med J 1: 881-2*, 10 Apr 76 (Eng) DL/76AUG21

**PREVENTION OF CORONARY HEART DISEASE. REPORT OF A JOINT WORKING PARTY OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND THE BRITISH CARDIAC SOCIETY.** Anonymous *J R Coll Physicians Lond 10: 213-75*, Apr 76 (Eng) DL/76AUG200

**[MORPHOLOGY OF CORONARY HEART DISEASE (AUTHORS TRANSL.)]** Knieriem HJ *Radiologie 16: 84-8*, Mar 76 (Ger) DL/76AUG329

**CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT.** Steinbuhl M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A,

Manicatu MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

**[ANGINA PECTORIS - CORONARY HEART DISEASE]** Gattenlohner W *Schweiz Rev 14: 16-8*, 15 Apr 76 (Ger) DL/76AUG337

**[CARBOHYDRATE TOLERANCE, SERUM INSULIN AND TRIGLYCERIDES IN CORONARY DISEASE]** Dobrev DG, Ilkov A *Vutr Boles 14: 11-22*, 1975 (Bul) DL/76AUG371

**EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS.** Nichaman MZ, Hamilton HB, Kagan A, Griest T, Sacks T, Syme SL *Am J Epidemiol 102: 491-501*, Dec 75 (Eng) \*DL/76AUG607

**CORONARY HEART DISEASE—THE GLOBAL PICTURE.** Keys A *Atherosclerosis 22: 149-92*, Sep-Oct 75 (Eng) [278] \*DL/76AUG921

### DISEASE, METABOLIC

**ENDOCRINE AND METABOLIC DISEASES. MODERN APPROACH TO DIABETES MELLITUS—II.** Stowers JM *Br Med J 1: 573-4*, 6 Mar 76 (Eng) DL/76AUG14

### DISEASE, MYOCARDIAL

**ADAPTATION OF THE CORONARY CIRCULATION TO PRIMARY MYOCARDIAL DISEASE.** Klassen GA, Tanser PH, Marpole D, Agarwal JB *Recent Adv Stud Cardiac Struct Metab 3: 497-506*, 1973 (Eng) \*DL/76AUG802

### DISEASE THERAPY

**[DIABETES THERAPY—CONCLUSION. SEQUEL 3: THERAPEUTIC FAILURES, COUNTERINDICATIONS OF DRUG THERAPY, SIDE-EFFECTS, THERAPY OF DISEASES AND SPECIAL CONDITIONS. THERAPY OF SIDE-EFFECTS]** Forster H, Forster H *Fortschr Med 93: 1253-5*, 25 Sep 75 (Ger) DL/76AUG108

### DISORDER

**SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG.** Lisi P, Calandra P *Ital Gen Rev Dermatol 11: 215-20*, Sep-Dec 74 (Eng) DL/76AUG129

**SEIZURE DISORDERS AS THE SOLE MANIFESTATION OF OCCLUSIVE VASCULAR DISEASE.** PP. 214-24. Waddington MM, R DISEASE. PP. In0 Austin GM, ed. *Microneurosurgical anastomoses for cerebral ischemia*. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m. (Eng) DL/76AUG160

**DISORDERS OF VISION: VASCULAR, METABOLIC AND ENDOCRINE.** PP. 187-200. Knox DL, VASCULAR, METAB, ENDOCRINE. PP. In0 Fields WS, ed. *Neurological and sensory disorders in the elderly*. New York, Stratton, 1975. WL 100 H843n 1974. (Eng) DL/76AUG163

**HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM.** Zurbrugg RP *Monogr Paediatr 7: 1-83*, 1976 (Eng) [183] DL/76AUG256



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### DISORDER

#### DISORDER, SKIN

SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG. Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 215-20, Sep-Dec 74 (Eng) DL/76AUG129

#### DISORDER, THYROID GLAND FUNCTION

[PATHOGENESIS OF DISORDERS OF THE THYROID GLAND FUNCTION IN PREGNANCY] Bobik Iul, Kasatkina LA, Pashchenko AE, Mitso ASH, Fabri ZI *Vopr Okhr Materin Det* 19: 71-3, Feb 74 (Rus) \*DL/76AUG859

#### DISSOCIATION

CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC ACTION AND BINDING TO AND DISSOCIATION FROM NA&K-ACTIVATED ATPASE IN VITRO. Akera T, Baskin SI, Tobin T, Brody TM *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG18

#### DIURETIC

THE EFFECT OF INHIBITORS AND DIURETICS ON ACTIVE TRANSPORT POTENTIALS IN RAT KIDNEY PROXIMAL TUBULE. Fromter E *Curr Probl Clin Biochem* 4: 119-25, 1975 (Eng) \*DL/76AUG484

#### DIURNAL VARIATION

DIURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113

DIURNAL VARIATION OF ORAL GLUCOSE TOLERANCE IN A TROPICAL ENVIRONMENT. Oviassu VO *J Trop Med Hyg* 79: 54-7, Mar 76 (Eng) DL/76AUG207

#### D-CELL

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufeney C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

#### D-XYLOSE ISOMERASE

PROTON MAGNETIC RELAXATION STUDIES OF THE INTERACTION OF D-XYLOSE AND XYLITOL WITH D-XYLOSE ISOMERASE. CHARACTERIZATION OF METAL-ENZYME-SUBSTRATE INTERACTIONS. Young JM, Schray KJ, Mildvan AS *J Biol Chem* 250: 9021-7, 10 Dec 75 (Eng) \*DL/76AUG531

#### DOMINICA

MEDICAL DISORDERS IN A SMALL CARIBBEAN ISLAND. AN ANALYSIS OF THE DISEASE OF ADULTS IN DOMINICA IN 1972 AND 1973. Grell GA *Ann Trop Med Parasitol* 70: 1-10, Mar 76 (Eng) DL/76AUG455

#### DONOR

PHOSPHATIDYL CHOLINE: DONOR OF 18-CARBON UNSATURATED FATTY ACIDS FOR GLYCEROLIPID BIOSYNTHESIS. Roughan PG *Lipids* 10: 609-14, Oct 75 (Eng) \*DL/76AUG743

#### DOPAMINE

[USE OF DOPAMINE IN THE TREATMENT OF CARDIOGENIC SHOCK. PRELIMINARY RESULTS] Chiche P, Baligadoo S *Ann Anesthesiol Fr* 16: 705-10, Dec 75 (Fre) DL/76AUG448

#### DOSAGE

GUIDELINES FOR THE DOSAGE AND APPLICATION OF THE INTRAVENOUS PROVISION OF NUTRIENT SUBSTANCES IN PATIENTS WITH RENAL FAILURE. PP. 160-6. Kult J, Heidland A *Ino Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [10] DL/76AUG156*

#### DRINKING

DRINKING AND FEEDING INDUCED BY JUGULAR AND PORTAL INFUSIONS OF 2-DEOXY-D-GLUCOSE. Russell PJ, Mogenson GJ *Am J Physiol* 229: 1014-8, Oct 75 (Eng) \*DL/76AUG882

#### DRUG EFFECT

[RECIPROCAL EFFECTS BETWEEN DRUGS] Kahl GF *Anaesthesiol Intensivmed Prax* 11: 99-110, Oct 75 (Ger) DL/76AUG444

#### DRUG THERAPY

[DIABETES THERAPY-CONCLUSION. SEQUEL 3: THERAPEUTIC FAILURES, COUNTERINDICATIONS OF DRUG THERAPY, SIDE-EFFECTS, THERAPY OF DISEASES AND SPECIAL CONDITIONS, THERAPY OF SIDE-EFFECTS] Forster H, Forster H *Fortschr Med* 93: 1253-5, 25 Sep 75 (Ger) DL/76AUG108

#### DUMPING SYNDROME

[STUDY OF METABOLISM IN RECONSTRUCTIVE OPERATIONS FOR DUMPING SYNDROME] Schober KL, Palkoska F, Viichki I, Hanke P, Schultz K *Khirurgiia (Sofia)* 28: 122-6, 1975 (Bul) DL/76AUG214

#### DYNAMICS

THE EFFECTS OF THREE VAPORIZABLE FIRE EXTINGUISHING AGENTS ON MYOCARDIAL METABOLISM AND CARDIOVASCULAR DYNAMICS IN THE ANESTHETIZED DOG. Van Stee EW, Harris AM, Horton ML, Back KC *Toxicol Appl Pharmacol* 34: 62-71, Oct 75 (Eng) \*DL/76AUG588

#### DYSPLASIA, EPIPHYSEAL

THE EPIPHYSEAL DYSPLASIAS. Spranger J *Clin Orthop* 46-59, Jan-Feb 76 (Eng) DL/76AUG46

#### DYSTROPHY

BIPHASIC RESPONSE ON ORAL GLUCOSE TOLERANCE TESTING IN MYOTONIC DYSTROPHY. Russell D, Sjaastad O *Acta Neurol Scand* 53: 226-8, Mar 76 (Eng) DL/76AUG411

#### DYSTROPHY, CONE

A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS. Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

#### EALAS DISEASE

EALAS DISEASE WITH NEUROLOGICAL INVOLVEMENT. PART 2. PATHOLOGY AND PATHOGENESIS. Dastur DK, Singhal BS *J Neurol Sci* 27: 323-45, Mar 76 (Eng) DL/76AUG195

#### EAR LOBE CREASE

LETTER: DIAGONAL EAR-LOBE CREASE AND DIABETIC RETINAL ANGIOPATHY. Andresen AR, Christiansen JS, Jensen JK *N Engl J Med* 294: 1182-3, 20 May 76 (Eng) (DL/76AUG262)

#### EAR THICKNESS

EPIDERMAL THICKNESS OF THE EAR LOBE AND DIABETES. Posinovec J, Hebrang H *Endokrinologie* 63: 381-5, 1974 (Eng) DL/76AUG81

#### ECTOPIC PITUITARY FUNCTION

ECTOPIC PITUITARY FUNCTION. Lindholm J, Korsgaard O, Rasmussen P *Acta Med Scand* 198: 299-302, Oct 75 (Eng) \*DL/76AUG878

#### 45CA-EFFLUX

STIMULATION OF 45CA EFFLUX FROM SMOOTH MUSCLE CELLS BY METABOLIC INHIBITION AND HIGH K DEPOLARIZATION. Van Breemen C, Wuytack F, Casteels R, Martinelli B, Campailla E, Ferrari G *Pfluegers Arch* 359: 183-96, 9 Sep 75 (Eng) \*DL/76AUG758

#### EHRlich ASCITES TUMOR CELL

A REDUCTION IN ENERGY-DEPENDENT AMINO ACID TRANSPORT BY MICROTUBULAR INHIBITORS IN EHRlich ASCITES TUMOR CELLS. Fyfe MJ, Loftfield S, Goldman ID *J Cell Physiol* 86: 201-11, Oct 75 (Eng) \*DL/76AUG537

#### ELDERLY

OBESITY, CARBOHYDRATE, AND LIPID INTERACTIONS IN THE ELDERLY. Bierman EL *Curr Concepts Nutr* 4: 171-6, 1976 (Eng) [19] DL/76AUG59

THE CONTROL OF CARDIOVASCULAR RISK FACTORS IN THE ELDERLY. Abramson JH, Hopp C *Prev Med* 5: 32-47, Mar 76 (Eng) [96] DL/76AUG315

#### ELECTRICAL STIMULATION

THE ROLE OF BRAIN MONAMINES IN THE SUSCEPTIBILITY TO SEIZURES BROUGHT ABOUT BY CHEMICAL AND ELECTRICAL STIMULATIONS. PP. 259-72. Pfeifer AK, Unyi G *Ino Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 1631 H 1971. (Eng) DL/76AUG181*

#### ELECTROCONVULSIVE

EFFECT OF ELECTROCONVULSIVE THERAPY WITHOUT ANTICONVULSIVE PREMEDICATION ON SERUM GROWTH HORMONE IN MAN. Vigas M, Stowasserova N, Nemeth S, Jurcovicova J *Horm Res* 6: 65-70, 1975 (Eng) \*DL/76AUG691

#### ELECTROCONVULSIVE THERAPY EFFECT

EFFECT OF ELECTROCONVULSIVE THERAPY WITHOUT ANTICONVULSIVE PREMEDICATION ON SERUM GROWTH HORMONE IN MAN. Vigas M, Stowasserova N,

Nemeth S, Jurcovicova J *Horm Res* 6: 65-70, 1975 (Eng) \*DL/76AUG691

## ELECTROLYTE

[INFLUENCE OF CHLORPROPAMIDE ON THE EXCRETION OF ELECTROLYTES IN DIABETES INSIPIDUS] Peci-Popovic E, Janjic M, Kicic M *Glas Srp Akad Nauka [Med]* 77-84, 1975 (Ser) DL/76AUG104

[STUDIES ON THE EFFECT OF RADIATION ON ELECTROLYTE CHANGES AND METABOLISM OF THE MYOCARDIUM. V. CHANGES IN ENZYME ACTIVITIES AND GLYCOLYSIS METABOLITES DUE TO RADIATION] Prignitz R, Hoffmeister N, Hoffmeister G *Strahlentherapie* 149: 621-7, Jun 75 (Ger) \*DL/76AUG854

## ELECTRON FLOW

THE EFFECTS OF ADP ON REVERSE ELECTRON FLOW AND THE OXYGEN EXCHANGE REACTIONS CATALYZED BY BOVINE HEART MUSCLE SUBMITOCHONDRIAL PARTICLES. Mitchell RA, Russo JA, Lamos CM *J Supramol Struct* 3: 256-60, 1975 (Eng) \*DL/76AUG740

MODIFICATION OF INTENSITY AND DIRECTION OF ELECTRON FLOW ACROSS BILEAFLET MEMBRANES. Chen CH, Berns DS *Proc Natl Acad Sci USA* 72: 3407-11, Sep 75 (Eng) \*DL/76AUG762

## ELECTRON MICROSCOPE

[ELECTRON MICROSCOPE FINDINGS ON THE ENDOCRINE SYSTEM OF THE PANCREAS OF THE NEWBORN RAT] Costa V *Arch De Vecchi Anat Patol* 60: 67-80, Aug 74 (Ita) DL/76AUG454

## ELECTRON MICROSCOPY

ELECTRON MICROSCOPY OF CULTURED MAMMALIAN LENSES. II. CHANGES PRECEDING AND ACCOMPANYING INSULIN-INDUCED MITOSIS. Reddan JR, Unakar NJ *Invest Ophthalmol* 15: 411-7, May 76 (Ger) DL/76AUG125

## ELECTRON TRANSFER

LIPID OXIDATION IN BIOLOGICAL MEMBRANES. ELECTRON TRANSFER PROTEINS AS INITIATORS OF LIPID AUTOXIDATION. Kaschnitz RM, Hatefi Y *Arch Biochem Biophys* 171: 292-304, Nov 75 (Eng) \*DL/76AUG897

## ELECTROPHORETIC MOBILITY

EFFECT OF GROWTH HORMONE ON SURFACE CHARGE AND ELECTROPHORETIC MOBILITY OF THYMOCYTES FROM YOUNG AND AGED RATS. Hanjan SN, Talwar GP *Mol Cell Endocrinol* 3: 185-201, Sep 75 (Eng) \*DL/76AUG687

## ELECTRORETINOGRAM

THE ELECTRORETINOGRAM AFTER PERIPHERAL RETINAL ABLATION IN DIABETIC RETINOPATHY. Ogden TE, Callahan F, Riekhof FT *Am J Ophthalmol* 81: 397-402, Apr 76 (Eng) DL/76AUG434

## ELIMINATION

CONTINUOUS ESTIMATION OF ADIPOSE TISSUE BLOOD FLOW IN RATS BY 133XE ELIMINATION. Madsen J, Malchow-Moller A, Waldorf S *J Appl Physiol* 39: 851-6, Nov 75 (Eng) \*DL/76AUG709

## EMERGENCY

[TISSUE EXCISION AT THE INJECTION SITE AS A POSSIBLE EMERGENCY THERAPY IN SUICIDE USING DEPOT-INSULIN] Guderjahn R *Med Welt* 27: 538-9, 12 Mar 76 (Ger) DL/76AUG239

[CARDIOLOGICAL EMERGENCIES IN OLD AGE] Nelius D *Z Alternsforsch* 30: 87-94, 1975 (Ger) DL/76AUG378

[ACUTE HEMODIALYSIS IN INTERNAL MEDICINE EMERGENCY THERAPY] Mampel E, Koall W, Ganzert G *Z Gesamte Inn Med* 30: 175-6 contd, 1 Sep 75 (Ger) DL/76AUG383

## ENCEPHALOMYOCARDITIS VIRUS

VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS. Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

## ENCEPHALOPATHY, METABOLIC

SECONDARY METABOLIC ENCEPHALOPATHY. DIAGNOSIS AND TREATMENT. Saper JR *Postgrad Med* 59: 122-8, May 76 (Eng) [84] DL/76AUG312

## ENDOCRINE

THE ULTRASTRUCTURE OF THE CELL TYPES IN THE ENDOCRINE PANCREAS OF THE HORSE. Forstmann A *Cell Tissue Res* 167: 179-95, 16 Mar 76 (Eng) DL/76AUG30

[MORPHOLOGICAL CHANGES IN THE ENDOCRINE PANCREAS OF THE RABBIT AFTER THE ADMINISTRATION OF A MORUS ALBA EXTRACT] Gulubova R, Boiadzhiev Ts *Eksp Med Morfol* 14: 166-71, 1975 (Bul) DL/76AUG66

ENDOCRINE CHANGES IN SEPSIS. Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

DISORDERS OF VISION: VASCULAR, METABOLIC AND ENDOCRINE. PP. 187-200. Knox DL, VASCULAR, METAB, OCRINE. PP. 100 Fields WS, ed. *Neurological and sensory disorders in the elderly*. New York, Stratton, 1975. WJ 100 H843n 1974. (Eng) DL/76AUG163

SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES. Bernardis LL, Goldman JK, Chlouvarakis C, Frohman LA *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205

## ENDOCRINE DISEASE

ENDOCRINE AND METABOLIC DISEASES. MODERN APPROACH TO DIABETES MELLITUS-II. Stowers JM *Br Med J* 1: 573-4, 6 Mar 76 (Eng) DL/76AUG14

## ENDOCRINE DYSFUNCTION

A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS. Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

## ENDOCRINE GLAND

NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakor P *Prog Food*

*Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330

## ENDOCRINE RESPONSE

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

## ENDOCRINE SYSTEM

[ELECTRON MICROSCOPE FINDINGS ON THE ENDOCRINE SYSTEM OF THE PANCREAS OF THE NEWBORN RAT] Costa V *Arch De Vecchi Anat Patol* 60: 67-80, Aug 74 (Ita) DL/76AUG454

## ENDOCRINOLOGY

[FUTURE OF ENDOCRINOLOGY] Reig AA *Rev Iber Endocrinol* 22: 393-482, Sep-Oct 75 (Spa) [119] \*DL/76AUG842

## ENDOGENOUS SUBSTRATE

PATTERNS OF FATTY ACID RELEASE FROM ENDOGENOUS SUBSTRATES BY HUMAN PLATELET HOMOGENATES AND MEMBRANES. Derksen A, Cohen P *J Biol Chem* 250: 9342-7, 25 Dec 75 (Eng) \*DL/76AUG534

## ENDOMETRIUM

[HISTOCHEMICAL STUDY OF THE ENZYMES OF GLYCOGEN METABOLISM IN THE HUMAN ENDOMETRIUM DURING THE NORMAL MENSTRUAL CYCLE] Pranishnikov VA *Arkh Anat Gistol Embriol* 68: 63-6, Apr 75 (Rus) \*DL/76AUG907

## ENERGETICS, CARDIAC

FLUOROMETRIC AND MYOTHERMIC STUDIES OF CARDIAC ENERGETICS. Chapman JB, Gibbs CL *Recent Adv Stud Cardiac Struct Metab* 5: 449-55, 1975 (Eng) \*DL/76AUG835

## ENERGETIC ASPECTS

ENERGETIC ASPECTS OF LATE FETAL AND NEONATAL METABOLISM. PP. 1-9. Hommes FA *In: Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WJ 205 N842 1974. (Eng) [38] DL/76AUG167

## ENERGETICS

ENERGETICS OF THE NA&-DEPENDENT TRANSPORT OF D-GLUCOSE IN RENAL BRUSH BORDER MEMBRANE VESICLES. Beck JC, Sacktor B *J Biol Chem* 250: 8674-80, 25 Nov 75 (Eng) \*DL/76AUG715

## ENERGY

CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD. Kimura K, Kamiyama Y, Ozawa K, Honjo I *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100

DIRECT AND UTILIZATION OF METABOLIC ENERGY FOR TRANSPORT PROCESSES WITHIN PROXIMAL CONVOLUTION. Ullrich KJ *Curr Probl Clin Biochem* 4: 13-20, 1975 (Eng) \*DL/76AUG485

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES

## Diabetes Literature—Keyword Index

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ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLL. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

A REDUCTION IN ENERGY-DEPENDENT AMINO ACID TRANSPORT BY MICROTUBULAR INHIBITORS IN EHRLICH ASCITES TUMOR CELLS. Fyfe MJ, Loftfield S, Goldman ID *J Cell Physiol* 86: 201-11, Oct 75 (Eng) \*DL/76AUG537

### ENERGY CONSERVATION

ENERGY CONSERVATION AND UNCOUPLING IN MITOCHONDRIA. Hatefi Y *J Supramol Struct* 3: 201-13, 1975 (Eng) [29] \*DL/76AUG737

### ENERGY COUPLING

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLL. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

### ENERGY METABOLISM

ENERGY METABOLISM IN SHOCK. Fritz SD *Heart Lung* 4: 615-8, Jul-Aug 75 (Eng) \*DL/76AUG521

EFFECTS OF HYPOXIA OF 10-45 SECONDS DURATION ON ENERGY METABOLISM IN THE CEREBRAL CORTEX OF UNANESTHETIZED AND ANESTHETIZED RATS. Norberg K, Quistorff B, Siesjö BK *Acta Physiol Scand* 95: 301-10, NOV 75 (Eng) \*DL/76AUG876

### ENERGY POISON

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLL. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

### ENERGY PRODUCTION

THE CONTROL OF ENERGY PRODUCTION AND UTILIZATION IN CARDIAC MUSCLE. Olson RE, Barnhorst DA *Recent Adv Stud Cardiac Struct Metab* 3: 11-30, 1973 (Eng) \*DL/76AUG788

### ENERGY SOURCE

THE ROLES OF ENERGY SOURCES AND IONS IN THE REGULATION OF CARDIAC FUNCTION. Haugaard N, Levin RM, Haugaard ES *Recent Adv Stud Cardiac Struct Metab* 3: 223-32, 1973 (Eng) \*DL/76AUG792

### ENERGY TRANSFER

CHARGE SEPARATION AND ENERGY TRANSFER IN THE MITOCHONDRIAL MEMBRANE. Papa S, Guerrieri F, Lorusso M *Biophys J* 15: 963-7, Sep 75 (Eng) \*DL/76AUG638

### ENTERAL ADMINISTRATION

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prols H, Messmer K, Bucklein R, Lob G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

### ENZYME

CHARACTERIZATION OF PROTEIN KINASES FROM BOVINE PAROTID GLANDS. THE EFFECT OF TOLBUTAMIDE AND ITS DERIVATIVE ON THESE PARTIALLY PURIFIED ENZYMES. Kanamori T, Hayakawa T, Nagatsu T *Biochim Biophys Acta* 429: 147-62, 11 Mar 76 (Eng) DL/76AUG2

ENZYMES OF GLYCOGEN METABOLISM AND THEIR CONTROL. PP. 235-43. Segal HL *In* Jeanes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [11] DL/76AUG171

A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS. Harano Y, Shimizu Y, Yoshida M, Diani N, Kim CI *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399

EVALUATION OF PEROXYOXALATE CHEMILUMINESCENCE FOR DETERMINATION OF ENZYME GENERATED PEROXIDE. Williams DC 3d, Huff GF, Seitz WR *Anal Chem* 48: 1003-6, Jun 76 (Eng) DL/76AUG447

HISTIDINE-PYRUVATE TRANSAMINATION AND PHENYLALANINE-PYRUVATE TRANSAMINATION MAY BE CATALYZED BY THE SAME ENZYME. Shih JC, Chiu RH, Chan YL *Biochem Biophys Res Commun* 68: 1348-55, 23 Feb 76 (Eng) DL/76AUG468

PROTON MAGNETIC RELAXATION STUDIES OF THE INTERACTION OF D-XYLOSE AND XYLITOL WITH D-XYLOSE ISOMERASE. CHARACTERIZATION OF METAL-ENZYME-SUBSTRATE INTERACTIONS. Young JM, Schray KJ, Mildvan AS *J Biol Chem* 250: 9021-7, 10 Dec 75 (Eng) \*DL/76AUG531

PURIFICATION AND MOLECULAR PROPERTIES OF THE (SODIUM & POTASSIUM)-ADENOSINETRIPHOSPHATASE AND RECONSTITUTION OF COUPLED SODIUM AND POTASSIUM TRANSPORT IN PHOSPHOLIPID VESICLES CONTAINING PURIFIED ENZYME. Hokin LE *J Exp Zool* 194: 197-205, Oct 75 (Eng) [56] \*DL/76AUG547

ENZYME IMMOBILIZED IN A PACKED-BED REACTOR: KINETIC PARAMETERS AND MASS TRANSFER EFFECTS. Marrazzo WN, Merson RL, McCoy BJ *Biotechnol Bioeng* 17: 1515-28, Oct 75 (Eng) \*DL/76AUG640

MEMBRANE FLUIDITY AND THE REGULATION OF MEMBRANE-BOUND ENZYMES. Vessey DA, Zakim D *Horiz Biochem Biophys* 1: 138-74, 1974 (Eng) [39] \*DL/76AUG697

THE TRANSPORT ENZYME: PHARMACOLOGIC RECEPTOR FOR CARDIAC GLYCOSIDES. Allen JC, Entman ML, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 131-7, 1974 (Eng) \*DL/76AUG817

[STUDIES ON THE EFFECT OF RADIATION ON ELECTROLYTE CHANGES AND METABOLISM OF THE MYOCARDIUM. V. CHANGES IN ENZYME ACTIVITIES AND GLYCOLYSIS METABOLITES DUE TO RADIATION] Prignitz R, Hoffmeister N, Hoffmeister G *Strahlentherapie* 149: 621-7, Jun 75 (Ger) \*DL/76AUG854

INITIAL EVENTS IN RADIATION-INDUCED ATHEROMATOSIS I. ACTIVATION OF LYSOSOMAL ENZYMES. Konings AW, Hardonck MJ, Wieringa RA, Lamberts HB *Strahlentherapie* 150: 444-8, Oct 75 (Eng) \*DL/76AUG856

ETHANOL INDUCED ALTERATION OF MICROSOMAL MEMBRANE BOUND ENZYMES OF RAT LIVER IN VITRO. Marniemi J, Aitio A, Vainio H *Acta Pharmacol Toxicol (Kbh)* 37: 222-32, Sep 75 (Eng) \*DL/76AUG873

[HISTOCHEMICAL STUDY OF THE ENZYMES OF GLYCOGEN METABOLISM IN THE HUMAN ENDOMETRIUM DURING THE NORMAL MENSTRUAL CYCLE] Priianishnikov VA *Arkh Anat Gistol Embriol* 68: 63-6, Apr 75 (Rus) \*DL/76AUG907

### ENZYME DIFFUSION, RADIAL

DIAGNOSTIC USE OF PANCREATIC LIPASE DETERMINATION BY RADIAL ENZYME DIFFUSION, AND DESIGN OF A ROUTINE PANCREATIC PROFILE. Goldberg JM *Clin Chem* 22: 638-42, May 76 (Eng) DL/76AUG40

### ENZYME, GLUCONEOGENIC

ROLE OF ADRENALS IN THE VITAMIN A-MEDIATED INCREASE IN THE ACTIVITIES OF GLUCONEOGENIC ENZYMES OF RAT LIVER. Singh M, Nigh V, Venkatasubramanian TA *Life Sci* 17: 859-65, 15 Sep 75 (Eng) \*DL/76AUG573

### ENZYME INTERACTION

INTERACTION OF ENZYME I OF THE PHOSPHOENOLPYRUVATE:SUGAR PHOSPHOTRANSFERASE SYSTEM WITH ADENYLATE CYCLASE OF ESCHERICHIA COLI. Peterkofsky A, Gazdar C *Proc Natl Acad Sci USA* 72: 2920-4, Aug 75 (Eng) \*DL/76AUG760

### ENZYME, MITOCHONDRIAL

PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANSLATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY. Haeflner EW, Privett OS *Hoppe Seylers Z Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692

### ENZYME PATTERN

ENZYMATIC PATTERN OF GLUCOSE METABOLIC PATHWAYS IN PYRUVATE KINASE-DEFICIENT ERYTHROCYTES. Guminska M, Wazewska-Czyzewska M *Clin Chim Acta* 64: 165-72, 13 Oct 75 (Eng) \*DL/76AUG663

### ENZYME RELEASE

EFFECT OF GLUCOSE ON ENZYME RELEASE FROM, AND RECOVERY OF, THE ANOXIC MYOCARDIUM. Hearse DJ, Chain EB *Recent Adv Stud Cardiac Struct Metab* 3: 763-72, 1973 (Eng) \*DL/76AUG812

### ENZYME, SOLUBILIZED

ADENOSINE 3:5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME. Azhar S, Menon KM *Eur J Biochem* 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674

## Diabetes Literature—Keyword Index

### ENZYME SYNTHESIS

**HORMONAL REGULATION OF ENZYME SYNTHESIS DIFFERENTIATING MAMMALIAN TISSUES.** PP. 55-61. Greengard O *Ino Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism.* London, Academic Press, 1975. WD 205 N842 1974. (Eng) [13] DL/76AUG169

### EOSINOPHILIS

**[ABSOLUTE VALUE OF EOSINOPHILIS IN A CUBE MILLIMETER OF PERIPHERAL BLOOD FOLLOWING GLUCAGON LOADING]** Jablonska-Ulbrych A, Ordynski J *Pediatr Pol* 51: 391-6, Apr 76 (Pol) DL/76AUG290

### EPIDEMIC

**DIABETES MELLITUS FOLLOWING A MUMPS EPIDEMIC.** Khakpour M, Nik-Akhtar B *J Trop Med Hyg* 78: 262-3, Dec 75 (Eng) DL/76AUG206

### EPIDEMIOLOGIC

**EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS.** Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

### EPIDERMAL THICKNESS

**EPIDERMAL THICKNESS OF THE EAR LOBE AND DIABETES.** Posinovec J, Hebrang H *Endokrinologija* 63: 381-5, 1974 (Eng) DL/76AUG81

### EPINEPHRINE

**FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. IV. INFLUENCE OF INSULIN AND EPINEPHRINE ON LIPOGENESIS FROM (14C)-U-GLUCOSE.** Somer JB, Schwartz CJ *Exp Mol Pathol* 24: 129-41, Apr 76 (Eng) DL/76AUG88

**EFFECT OF EPINEPHRINE ON ADIPOSE TISSUE METABOLISM IN GOATS.** Bartos S, Dolezel F, Jukl A *Endocrinol Exp (Bratisl)* 9: 229-38, Sep 75 (Eng) \*DL/76AUG669

**STIMULATION OF EPINEPHRINE-SENSITIVE FAT CELL ADENYLATE CYCLASE BY CYTOSOL: EFFECT OF CHOLERA TOXIN.** Ganguly U, Greenough WB 3d *Proc Natl Acad Sci USA* 72: 3561-4, Sep 75 (Eng) \*DL/76AUG765

**LIPID AND GLYCOGEN METABOLISM IN THE HYPOXIC HEART: EFFECTS OF EPINEPHRINE.** Crass MF 3d, Pieper GM *Am J Physiol* 229: 885-9, Oct 75 (Eng) \*DL/76AUG883

### EPIPHYSEAL DYSPLASIA

**THE EPIPHYSEAL DYSPLASIAS.** Spranger J *Clin Orthop* 46-59, Jan-Feb 76 (Eng) DL/76AUG46

### EPITHELIAL CELL, INTESTINAL

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**GLYCEROLIPID BIOSYNTHESIS IN ISOLATED RAT INTESTINAL EPITHELIAL CELLS.**

O'Doherty PJ, Kuksis A *Can J Biochem* 53: 1010-9, Sep 75 (Eng) \*DL/76AUG651

### EPITHELIUM

**THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3',5'-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER.** Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

### EQUINE SERUM LIPID

**EQUINE SERUM LIPIDS: SERUM LIPIDS AND GLUCOSE IN MORGAN AND THOROUGHBRED HORSES AND SHETLAND PONIES.** Robie SM, Janson CH, Smith SC, O'Connor JT Jr *Am J Vet Res* 36: 1705-8, Dec 75 (Eng) \*DL/76AUG612

### ERECTION

**THE ASSESSMENT OF NOCTURNAL REM ERECTION IN THE DIFFERENTIAL DIAGNOSIS OF SEXUAL IMPOTENCE.** Fisher C, Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL/76AUG203

### ERGOTAMINE

**FAILURE OF ERGOTAMINE TO ACT AS AN AMPLIFIER OF SULFONYLUREA-STIMULATED INSULIN SECRETION.** Sirek A, Sirek OV, Policova Z *Acta Diabetol Lat* 12: 199-201, May-Aug 75 (Eng) DL/76AUG401

### ERUCIC

**EFFECTS OF DIETARY ERUCIC AND LINOLEIC ACID ON MYOCARDIAL FUNCTION IN RATS.** ten Hoor F, van de Graaf HM, Verroesen AJ *Recent Adv Stud Cardiac Struct Metab* 3: 59-72, 1973 (Eng) \*DL/76AUG807

### ERYTHROCYTE

**[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES]** Milewicz A, Stepień-Dobrowolska M, Szklarz E, Glebowska H, Gladysz A, Czarnowska J *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

**ANAEROBIC GLYCOLYSIS IN NORMAL HUMAN ERYTHROCYTES INCUBATED IN VITRO WITH SODIUM SALICYLATE.** Worathumrong N, Grimes AJ *Clin Sci Mol Med* 49: 375-84, Nov 75 (Eng) \*DL/76AUG482

**INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES.** Lacko L, Wittke B, Geck PJ *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

**TWO-CARRIER MODELS FOR MEDIATED TRANSPORT. II. GLUCOSE AND GALACTOSE EQUILIBRIUM EXCHANGE EXPERIMENTS IN HUMAN ERYTHROCYTES AS A TEST FOR SEVERAL TWO-CARRIER MODELS.** Eilam Y *Biochim Biophys Acta* 401: 364-9, 2 Sep 75 (Eng) \*DL/76AUG623

**ENZYMATIC PATTERN OF GLUCOSE METABOLIC PATHWAYS IN PYRUVATE KINASE-DEFICIENT ERYTHROCYTES.** Guminska M, Wazewska-Czyzewska M *Clin Chim Acta* 64: 165-72, 15 Oct 75 (Eng) \*DL/76AUG663

**FATTY ACIDS AS MODULATORS OF MEMBRANE FUNCTIONS: CATECHOLAMINE-ACTIVATED ADENYLATE CYCLASE OF THE TURKEY ERYTHROCYTE.** Orly J, Schramm M *Proc Natl Acad Sci USA* 72: 3433-7, Sep 75 (Eng) \*DL/76AUG763

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**D-GLUCOSE PERMEABILITY OF BLACK LIPID MEMBRANES MODIFIED BY HUMAN ERYTHROCYTE MEMBRANE FRACTIONS.** Lidgard GP, Jones MN *J Membr Biol* 21: 1-10, 23 Apr 75 (Eng) \*DL/76AUG556

**EXPERIMENTAL ALTERATION OF PHOSPHOLIPID-PROTEIN INTERACTIONS WITHIN THE HUMAN ERYTHROCYTE MEMBRANE. DEPENDENCE ON GLYCOLYTIC METABOLISM.** Haest CW, Deuticke B *Biochim Biophys Acta* 401: 468-80, 2 Sep 75 (Eng) \*DL/76AUG626

### ERYTHROCYTE METABOLISM

**[INFLUENCE OF HYPOPHOSPHATEMIA ON ERYTHROCYTE METABOLISM IN DIABETIC KETO-ACIDOSIS]** Lyonns J, Card RT, Brain MC *Union Med Can* 104: 560-4, Apr 75 (Fre) DL/76AUG354

### ESCHERICHIA COLI

**TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLL.** Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

**ATP SYNTHESIS DRIVEN BY PROTONMOTIVE FORCE IMPOSED ACROSS ESCHERICHIA COLI CELL MEMBRANES.** Grinius L, Slusnyte R, Griniuvienė B *FEBs Lett* 57: 290-3, 1 Oct 75 (Eng) \*DL/76AUG681

**ALTERED HEXOSE TRANSPORT AND SALT SENSITIVITY IN CYCLIC ADENOSINE 3',5'-MONOPHOSPHATE-DEFICIENT ESCHERICHIA COLL.** Ezzell JW, Dobrogosz WJ *J Bacteriol* 124: 815-24, Nov 75 (Eng) \*DL/76AUG711

**INTERACTION OF ENZYME I OF THE PHOSPHOENOLPYRUVATE-SUGAR PHOSPHOTRANSFERASE SYSTEM WITH ADENYLATE CYCLASE OF ESCHERICHIA COLL.** Peterkofsky A, Gazdar C *Proc Natl Acad Sci USA* 72: 2920-4, Aug 75 (Eng) \*DL/76AUG760

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### ESCHERICHIA COLI K12

**CATABOLITE REPRESSION IN ESCHERICHIA COLI K12 MUTANTS DEFECTIVE IN GLUCOSE TRANSPORT.** Gershanovitch VN, Yourovitskaya NV, Komissarova LV, Bolshakova TN, Erlagaeva RS, Bourd GI *Mol Gen Genet* 140: 81-90, 15 Sep 75 (Eng) \*DL/76AUG748

## ESOPHAGEAL FUNCTION

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**ESOPHAGEAL MOTOR DYSFUNCTION IN SYSTEMIC DISEASES.** Mukhopadhyay AK, Graham DY. *Arch Intern Med* 136: 583-8, May 76 (Eng) [79] DL/76AUG458

#### ESOPHAGEAL VARICES

**OPTIMAL VISUALIZATION OF ESOPHAGEAL VARICES.** Cockerill EM, Miller RE, Chernish SM, McLaughlin GC 3d, Rodda BE. *Am J Roentgenol* 126: 512-23, Mar 76 (Eng) DL/76AUG440

#### ESTROGEN

**INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOGEN PHOSPHORYLASE.** Rinard GA, Chew CS. *Life Sci* 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572

**[PROCEEDINGS: EFFECT OF OESTROGENS AND DIET ON LIPIDS IN THE PLASMA OF CASTRATED RATS OF BOTH SEXES (AUTHORS TRANSL.)]** Pottier C, Lederer J. *Ann Endocrinol (Paris)* 36: 115-6, Mar-Apr 75 (Fre) \*DL/76AUG893

#### ESTROGEN THERAPY

**MUOCARDIAL INFARCTION AND ESTROGEN THERAPY IN POST-MENOPAUSAL WOMEN.** Rosenberg L, Armstrong B, Phil D, Jick H. *N Engl J Med* 294: 1256-9, 3 Jun 76 (Eng) DL/76AUG267

#### ETHACRYNIC ACID

**INTERACTION OF ETHACRYNIC ACID WITH CONTROL SITES OF RENAL GLUCOSE METABOLISM.** Fulgrat G, Dingler-Nunemann H. *Curr Probl Clin Biochem* 4: 131-4, 1975 (Eng) \*DL/76AUG486

#### ETHANOL

**INHIBITION OF PANCREATIC ISLET MONOAMINE OXIDASE BY ADRENERGIC ANTAGONISTS AND ETHANOL.** Feldman JM. *Endocr Res Commun* 2: 503-20, 1975 (Eng) DL/76AUG67

**THIAMINE TRANSPORT ACROSS THE RAT INTESTINE. II. EFFECT OF ETHANOL.** Hoyumpa AM Jr, Breen KJ, Schenker S, Wilson FA. *J Lab Clin Med* 86: 803-16, Nov 75 (Eng) \*DL/76AUG721

**ETHANOL INDUCED ALTERATION OF MICROSOMAL MEMBRANE BOUND ENZYMES OF RAT LIVER IN VITRO.** Mariniemi J, Aitio A, Vainio H. *Acta Pharmacol Toxicol (Kbh)* 37: 222-32, Sep 75 (Eng) \*DL/76AUG873

**CYCLIC AMP-LINKED MECHANISMS IN ETHANOL-INDUCED DERANGEMENTS OF METABOLISM IN RAT LIVER AND ADIPOSE TISSUE.** Jauchon VP, Savolainen MJ, Hassinen IE. *Biochem Pharmacol* 24: 1879-83, 15 Oct 75 (Eng) \*DL/76AUG919

#### ETHIDIUM BROMIDE

**STIMULATION OF 2-DEOXY-D-GLUCOSE TRANSPORT IN CONTROL AND VIRUS-TRANSFORMED CELLS BY ETHIDIUM BROMIDE.** Soslau G, Nass MM. *J Cell Physiol* 86: 269-80, Oct 75 (Eng) \*DL/76AUG538

#### ETHYLURETHANE HEMATOCRIT

**THE EFFECT OF ETHYLURETHANE ON HEMATOCRIT, BLOOD PRESSURE AND**

**PLASMA-GLUCOSE.** Van Der Meer C, Ver-sluis-Broers JA, Tuynman HA, Buur VA. *Arch Int Pharmacodyn Ther* 217: 257-75, Oct 75 (Eng) \*DL/76AUG901

#### ETIOPATHOGENESIS

**[ETIOPATHOGENESIS OF DIABETES MELITUS TODAY (CONTINUATION)]** Bibergeil H. *Z Gesamte Inn Med* 30: 33-6 concl, May 75 (Ger) DL/76AUG384

#### EVAPORATION, SAMPLE CUP

**FACTORS INFLUENCING EVAPORATION FROM SAMPLE CUPS AND ASSESSMENT OF THEIR EFFECT ON ANALYTICAL ERROR.** Burtis CA, Begovich JM, Watson JS. *Clin Chem* 21: 1907-17, Dec 75 (Eng) \*DL/76AUG479

#### EXCITATION CONTRACTION COUPLING

**MITOCHONDRIAL FUNCTION AND EXCITATION-CONTRACTION COUPLING IN THE DEVELOPMENT OF ALCOHOLIC CARDIOMYOPATHY.** Pachinger O, Mao J, Fauvel JM, Bing RJ. *Recent Adv Stud Cardiac Struct Metab* 5: 423-9, 1975 (Eng) \*DL/76AUG834

#### EXCRETION

**[INFLUENCE OF CHLORPROPAMIDE ON THE EXCRETION OF ELECTROLYTES IN DIABETES INSIPIDUS]** Peci-Popovic E, Janjic M, Kicic M. *Glas Srp Akad Nauka [Med]* 77-84, 1975 (Ser) DL/76AUG104

**COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA.** Bonkowski HL, Magnusen CR, Collins AR, Doherty JM, Hess RA, Tschudy DP. *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

#### EXERCISE

**TREADMILL EXERCISE TESTING OF MASS SCREENING FOR CORONARY RISK FACTORS.** Allen WH, Aronow WS, De Cristofaro D. *Cathet Cardiovasc Diagn* 2: 39-48, 1976 (Eng) DL/76AUG32

**HABITUAL EXERCISERS: A BLOOD SERUM AND PERSONALITY PROFILE.** Jette M. *J Sports Med* 3: 12-7, Jan-Feb 75 (Eng) \*DL/76AUG561

**CHANGES IN MUSCLE MITOCHONDRIAL LIPID COMPOSITION RESULTING FROM TRAINING AND EXHAUSTIVE EXERCISE.** Dohm GL, Barakat H, Stephenson TP, Pennington SN, Tapscott EB. *Life Sci* 17: 1075-80, 10 Oct 75 (Eng) \*DL/76AUG574

**[GLUCOSE CONCENTRATION IN BLOOD DURING EXERTION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCISE IN VARIOUS BREEDS OF SWINE]** Bunker U, Steinhardt M, Riehm G, Gohler H, Bunker B, Lyhs L. *Arch Exp Veterinaarmed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

**[INFLUENCE OF MUSCULAR EXERCISE ON BLOOD CATECHOLAMINE LEVELS IN RATS]** Rodigas P, Cession-Fossion A, Lecomte J. *C R Soc Biol (Paris)* 169: 257-61, 1975 (Fre) \*DL/76AUG649

**LEG MUSCLE METABOLISM DURING EXERCISE IN THE HEAT AND COLD.** Fink WJ, Costill DL, Van Handel PJ. *Eur J Appl Physiol* 34: 183-90, 15 Aug 75 (Eng) \*DL/76AUG673

**SUBSTRATE UTILIZATION BY THE INACTIVE LEG DURING ONE-LEG OR ARM EXERCISE.**

Ahlborg G, Hagenfeldt L, Wahren J. *J Appl Physiol* 39: 718-23, Nov 75 (Eng) \*DL/76AUG707

**A DESIGN IMPROVEMENT IN CONTINUOUS BLOOD SAMPLING AND ANALYSIS FOR GLUCOSE IN REST AND EXERCISE.** Tzankoff SP, Leatherman NE, Robinson S. *J Appl Physiol* 39: 873-4, Nov 75 (Eng) \*DL/76AUG710

**PLASMA CORTICOSTERONE AND CARDIAC GLYCOGEN LEVELS IN RATS AFTER EXERCISE.** Poland JL, Myers TD, Witorsch RJ, Brandt RB. *Proc Soc Exp Biol Med* 150: 148-50, Oct 75 (Eng) \*DL/76AUG778

**RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISOLATED AFTER AORTIC CONSTRICTION, STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT.** Wollenberger A, Kleitke B. *Recent Adv Stud Cardiac Struct Metab* 5: 535-50, 1975 (Eng) \*DL/76AUG804

#### EXERTION

**[GLUCOSE CONCENTRATION IN BLOOD DURING EXERTION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCISE IN VARIOUS BREEDS OF SWINE]** Bunker U, Steinhardt M, Riehm G, Gohler H, Bunker B, Lyhs L. *Arch Exp Veterinaarmed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

**LETTER: EFFECTS OF EXERCITION ON HORMONE SECRETION.** Karonen SL, Adlercreutz H, Dessypris A. *Br Med J* 4: 102-3, 11 Oct 75 (Eng) \*DL/76AUG645

**[EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERCITION. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE]** Bunker U, Steinhardt M, Riehm G, Bunker B, Lyhs L. *Arch Exp Veterinaarmed* 29: 631-40, 1975 (Ger) \*DL/76AUG906

#### EXOCRINE DRAINAGE

**CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETERO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE.** Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ. *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

#### EXPANDED MICROPOROUS POLYTETRAFLUOROETHYLENE

**THE USE OF EXPANDED MICROPOROUS POLYTETRAFLUOROETHYLENE FOR LIMB SALVAGE: A PRELIMINARY REPORT.** Campbell CD, Brooks DH, Webster MW, Bahnsen HT. *Surgery* 79: 485-91, May 76 (Eng) DL/76AUG347

#### EXPOSURE

**HEMATOLOGICAL AND BIOCHEMICAL EFFECTS OF CHRONIC CO EXPOSURE ON THE JAPANESE QUAIL.** Jaeger JJ, McGrath JJ. *Respir Physiol* 24: 365-72, Sep 75 (Eng) \*DL/76AUG839

#### EXTRACELLULAR

**SALINITY TOLERANCE AND EXTRACELLULAR OSMOREGULATION IN TWO SPECIES OF EURYHALINE TELEOSTS, CULAE INCONSTANS AND FUNDULUS DIAPHANUS.** Ahokas RA, Duerr FG. *Comp Biochem Physiol* [A] 52: 445-8, 1 Nov 75 (Eng) \*DL/76AUG665



A SIMULATION MODEL OF EXTRACELLULAR GLUCOSE DISTRIBUTION IN THE HUMAN BODY. Tiran J, Galle KR, Porte D Jr *Ann Biomed Eng* 3: 34-46, Mar 75 (Eng) \*DL/76AUG888

# EXTRACT

[MORPHOLOGICAL CHANGES IN THE ENDOCRINE PANCREAS OF THE RABBIT AFTER THE ADMINISTRATION OF A MORUS ALBA EXTRACT] Gulubova R, Boiadzhiev Ts *Eksp Med Morfol* 14: 166-71, 1975 (Bul) DL/76AUG66

# EYE

THE CHARACTERIZATION OF THE HEXOKINASES IN SEVERAL TISSUES OF THE CALF EYE. Chylack LT Jr *Invest Ophthalmol* 14: 854-62, Nov 75 (Eng) \*DL/76AUG704

# EYE DISORDER

EYE DISORDERS: USING ULTRASOUND IN OPHTHALMOLOGIC DIAGNOSIS. Hodas BL *Postgrad Med* 59: 197-203, Apr 76 (Eng) DL/76AUG309

# FAMILIAL AMYLOIDOSIS

LESIONS OF THE LEGS IN DIABETICS AND IN PATIENTS WITH FAMILIAL AMYLOIDOSIS AND POLYNEUROPATHY. Lithner F *Acta Med Scand [Suppl]* 1-23, 1976 (Eng) DL/76AUG421

# FAMILIAL SYNDROME

A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. L OPHTHALMOLOGICAL FINDINGS. Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

# FAMILY PRACTICE

THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE. Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202

# FANCONI SYNDROME

MEMBRANE PERMEABILITY AS A CAUSE OF TRANSPORT DEFECTS IN EXPERIMENTAL FANCONI SYNDROME. A NEW HYPOTHESIS. Bergeron M, Dubord L, Hausser C, Schwab C *J Clin Invest* 57: 1181-9, May 76 (Eng) DL/76AUG150

# FASTED ANIMAL

STUDIES ON GLUCONEOGENESIS AND STIMULATION OF GLYCOGEN AND PROTEIN SYNTHESIS IN ISOLATED HEPATOCYTES IN ALLOXAN DIABETIC, NORMAL FED AND FASTED ANIMALS. Wagle SR, Ingebretsen WR, Sampson L *Acta Diabetol Lat* 12: 185-98, May-Aug 75 (Eng) DL/76AUG400

# FASTING

EFFECT OF FEEDING AND FASTING ON THE EARLY STEPS OF GLUCAGON ACTION IN ISOLATED RAT LIVER CELLS. Fouchereau-Peron M, Rancan F, Freychet P, Rosselin G *Endocrinology* 98: 755-60, Mar 76 (Eng) DL/76AUG71

RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS. Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensink JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT. Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaisse WJ *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

EFFECT OF FASTING AND INSULIN ON THE GLUCAGON-INDUCED ORTHOPHOSPHATE INCORPORATION TO THE ISOLATED PERFUSED RAT LIVER. De Venanzi F, Pena F, Jimenez O, De Alvarado H *Proc Soc Exp Biol Med* 152: 47-51, May 76 (Eng) DL/76AUG323

CARBOHYDRATE CONTENT OF HUMAN VLDL, IDL, LDL, AND HDL PLASMA APOPROTEINS FROM FASTING NORMAL AND HYPERLIPIDEMIC PATIENTS. Fontaine M, Malmendier CL *Clin Chim Acta* 64: 91-3, 1 Oct 75 (Eng) \*DL/76AUG662

# FASTING HYPOGLYCEMIA

FASTING HYPOGLYCEMIA. A CLINICOPATHOLOGIC CONFERENCE FROM VETERANS ADMINISTRATION HOSPITAL HINES, ILLINOIS. Anonymous *Postgrad Med* 59: 221-3, 225, Mar 76 (Eng) DL/76AUG306

# FAT

A NEW FAT-DEPENDENT TIME-MODIFIED RELATIONSHIP BETWEEN BASAL PLASMA GLUCOSE LEVELS AND THE EARLY GLUCOSE RESPONSE TO ORAL GLUCOSE LOADING IN NORMAL HUMAN SUBJECTS. Trenchard PM *Clin Chim Acta* 65: 139-42, 15 Nov 75 (Eng) \*DL/76AUG480

EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED INTESTINAL EPITHELIAL CELLS OF THE CHICK. Raheja KL, Tepperman J, Tepperman HM *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548

# FAT CELL

ACTIVITY OF HUMAN ADENYLATE CYCLASE FROM HUMAN FAT CELL MEMBRANES. Poupon R *Biomedicine [Express]* 23: 438-42, 20 Dec 75 (Eng) DL/76AUG5

CYCIC GUANOSINE 3,5-MONOPHOSPHATE AND THE REGULATION OF LIPOLYSIS IN RAT FAT CELLS. Fain JN, Butcher FR *J Cyclic Nucleotide Res* 2: 71-8, 1976 (Eng) DL/76AUG153

STIMULATION OF EPINEPHRINE-SENSITIVE FAT CELL ADENYLATE CYCLASE BY CYTOSOL: EFFECT OF CHOLERA TOXIN. Ganguly U, Greenough WB 3d *Proc Natl Acad Sci USA* 72: 3561-4, Sep 75 (Eng) \*DL/76AUG765

THE EFFECT OF ADRENALINE AND OF ALPHA- AND BETA-ADRENERGIC BLOCKING AGENTS ON ATP CONCENTRATION AND ON INCORPORATION OF 32PI INTO ATP IN RAT FAT CELLS. Stein JM *Biochem Pharmacol* 24: 1659-62, 15 Sep 75 (Eng) \*DL/76AUG916

# FAT CELL, ISOLATED

EFFECTS OF SH-REAGENTS OF DIFFERENT MOLECULAR SIZE UPON GLUCOSE METABOLISM IN ISOLATED RAT FAT CELLS. Kather H, Simon B *Horm Metab Res* 7: 415-8, Sep 75 (Eng) \*DL/76AUG690

EFFECTS OF ARGININE HOMOLOGOUS AND OTHER GUANIDINO COMPOUNDS ON THE ATP LEVEL AND GLUCOSE OXIDATION IN ISOLATED FAT CELLS. Schwegler F, Stock W *Hoppe Seylers Z Physiol Chem* 356: 839-44, Jun 75 (Eng) \*DL/76AUG693

# FAT, DIETARY

THE EFFECT OF DIETARY SUCROSE AND DIFFERENT DIETARY FATS ON HYPERLIPIDAEMIA AND ATHEROSCLEROSIS IN WHITE LEGHORN COCKERELS (GALLUS DOMESTICUS). Worcester NA, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 82a-83a, Sep 75 (Eng) \*DL/76AUG773

# FAT, LOW

INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET. Ginsberg H, Olefsky JM, Kimmerling G, Crapo P, Reaven GM *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145

DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

# FAT THICKNESS

FAT THICKNESS IN THE NEONATAL SMALL LEFT COLON SYNDROME. Kuhns LR, Berger PE, Poznanski AK, Holt JF *Am J Roentgenol* 126: 538-41, Mar 76 (Eng) DL/76AUG441

# FATTY ACID

TRANSFER OF FATTY ACIDS ACROSS THE RABBIT PLACENTA. Elphick MC, Hudson DG, Hull D *J Physiol (Lond)* 252: 29-42, Oct 75 (Eng) \*DL/76AUG553

EFFECT OF CATECHOLAMINES ON THE METABOLISM OF GLUCOSE, FATTY ACIDS AND ON THE HEART RATE IN GOATS. Bartos S, Dolezel F, Kolbl M *Vet Med (Praha)* 20: 289-301, May 75 (Cze) \*DL/76AUG591

STORAGE AND SUPPLY OF FATTY ACIDS BEFORE AND AFTER BIRTH. Hull D *Br Med Bull* 31: 32-6, Jan 75 (Eng) \*DL/76AUG644

[CHANGES IN THE LEVELS OF NONESTERIFIED RAT SERUM FATTY ACIDS UNDER PHYSIOLOGIC AND STRESS CONDITIONS (AUTHORS TRANSL.)] Suva J, Stajner A *Cas Lek Cesk* 114: 1104-7, 5 Sep 75 (Cze) \*DL/76AUG653

THIN-LAYER CHROMATOGRAPHIC SEPARATION OF FREE FATTY ACIDS. ANALYSIS AND PURIFICATION OF RADIOACTIVELY LABELLED FATTY ACIDS. Rodrigues de Miranda JF, Eikelboom TD *J Chromatogr* 114: 274-9, 12 Nov 75 (Eng) \*DL/76AUG717

FATTY ACIDS AS MODULATORS OF MEMBRANE FUNCTIONS: CATECHOLAMINE-ACTIVATED ADENYLATE CYCLASE OF THE TURKEY ERYTHROCYTE. Orly J, Schramm M *Proc Natl Acad Sci USA* 72: 3433-7, Sep 75 (Eng) \*DL/76AUG763

HEART TRIGLYCERIDE AND GLYCOGEN METABOLISM: EFFECTS OF CATECHOLAMINES, DIBUTYRYL CYCLIC AMP, THEOPHYLLINE, AND FATTY ACIDS. Crass MF 3rd *Recent Adv Stud Cardiac Struct Metab* 3: 275-90, 1973 (Eng) \*DL/76AUG796

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### FATTY ACID, BETA HYDROXY

#### FATTY ACID, BETA HYDROXY

CARDIAC METABOLISM OF BETA-HYDROXY FATTY ACIDS. Hull FE, Malone M, Albers-Schonberg G *Recent Adv Stud Cardiac Struct Metab* 3: 39-52, 1973 (Eng) \*DL/76AUG800

#### FATTY ACID COMPOSITION

LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE. Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

#### FATTY ACID, ESSENTIAL

LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE. Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

#### FATTY ACID, FREE

[GAMMA GLUTAMYL-TRANSPEPTIDASE ACTIVITY AND FREE FATTY ACID LEVEL IN SKATECHS (AUTHORS TRANSL)] Stork A, Skachova J, Kozakova B, Fabian E, Fabianova J, Cermak K *Cas Lek Cesk* 115: 384-7, 2 Apr 76 (Cze) DL/76AUG28

[NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80

EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT. Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240

[GLYCEMIA AND THE LEVELS OF FREE FATTY ACIDS IN SMALL-FOR-DATE BORN INFANTS AFTER MONOSACCHARIDE LOAD. COMMUNICATION I (AUTHORS TRANSL)] Szotowa W, Kantoch Z, Rodkiewicz B, Rola-Janicki A *Probl Med Wieku Rozwoj* 5: 75-81, 1975 (Pol) DL/76AUG316

[COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415

TURNOVER OF FREE FATTY ACIDS AND TRIGLYCERIDE: AN OVERVIEW. Vranic M *Fed Proc* 34: 2233-7, Dec 75 (Eng) \*DL/76AUG499

EFFECT OF THERMAL STRESS AND DEHYDRATION ON PLASMA LEVELS OF GLUCOSE, FREE FATTY ACIDS AND GROWTH HORMONE IN THE PIGEON. John TM, McKeown BA, George JC *Arch Int Physiol Biochim* 83: 303-8, May 75 (Eng) \*DL/76AUG615

STUDIES ON PLASMA FREE-FATTY-ACID METABOLISM AND TRIGLYCERIDE SYNTHESIS OF BROWN ADIPOSE TISSUE IN VIVO DURING COLD-INDUCED THERMOGENESIS OF THE NEWBORN RABBIT. Schenk H, Heim T, Mende T, Varga F, Goetze E *Eur J Biochem* 58: 15-22, 1 Oct 75 (Eng) \*DL/76AUG675

STUDIES ON NOREPINEPHRINE-INDUCED EFFLUX OF FREE FATTY ACID FROM HAMSTER BROWN-ADIPOSE-TISSUE CELLS. Bieber LL, Petterson B, Lindberg O *Eur J Biochem* 58: 375-81, 15 Oct 75 (Eng) \*DL/76AUG677

THIN-LAYER CHROMATOGRAPHIC SEPARATION OF FREE FATTY ACIDS. ANALYSIS AND PURIFICATION OF RADIOACTIVELY LABELLED FATTY ACIDS. Rodrigues de Miranda JF, Eikelboom TD *J Chromatogr* 114: 274-9, 12 Nov 75 (Eng) \*DL/76AUG717

#### FATTY ACID PATTERN

FATTY ACID PATTERNS OF SERUM TRIGLYCERIDES AND SUBCUTANEOUS ADIPOSE TISSUES AFTER ILEAL BYPASS IN OBESITY. Kallner A, Hallberg D, Backman L *Scand J Gastroenterol* 10: 763-7, 1975 (Eng) \*DL/76AUG846

#### FATTY ACID, POLYUNSATURATED

PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANSLATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY. Haeflner EW, Privett OS *Hoppe Seylers Z Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692

#### FATTY ACID RELEASE

PATTERNS OF FATTY ACID RELEASE FROM ENDOGENOUS SUBSTRATES BY HUMAN PLATELET HOMOGENATES AND MEMBRANES. Derksen A, Cohen P *J Biol Chem* 250: 9342-7, 25 Dec 75 (Eng) \*DL/76AUG534

#### FATTY ACID, UNSATURATED

THE ROLE OF UNSATURATED FATTY ACIDS IN MITOCHONDRIAL MEMBRANE FUNCTIONS. Haslam JM, Fellows NF *Biochem Soc Trans* 3: 772-5, 1975 (Eng) \*DL/76AUG506

EFFECTIVENESS OF VARIOUS UNSATURATED FATTY ACIDS IN SUPPORTING GROWTH AND RESPIRATION IN SACCHAROMYCES CEREVISIAE. Walenga RW, Lands WE *J Biol Chem* 250: 9121-9, 10 Dec 75 (Eng) \*DL/76AUG532

REQUIREMENTS FOR UNSATURATED FATTY ACIDS FOR THE INDUCTION ON RESPIRATION IN SACCHAROMYCES CEREVISIAE. Walenga RW, Lands WE *J Biol Chem* 250: 9130-6, 10 Dec 75 (Eng) \*DL/76AUG533

PHOSPHATIDYL CHOLINE: DONOR OF 18-CARBON UNSATURATED FATTY ACIDS FOR GLYCEROLIPID BIOSYNTHESIS. Roughan PG *Lipids* 10: 609-14, Oct 75 (Eng) \*DL/76AUG743

OSCILLATORY STATES OF MITOCHONDRIA. INFLUENCE OF UNSATURATED FATTY ACID COMPOSITION. Williams MA, Katyare S, Packer L *Arch Biochem Biophys* 170: 353-9, Oct 75 (Eng) \*DL/76AUG895

#### FATTY LIVER, ETHANOL INDUCED

METABOLIC STUDIES ON THE DEVELOPMENT OF ETHANOL-INDUCED FATTY LIVER IN KK-A<sup>y</sup> MICE. Arakawa M, Taketomi S, Furuno K, Matsuo T, Iwatsuka H *J Nutr* 105: 1500-8, Dec 75 (Eng) \*DL/76AUG549

#### FATTY STREAK

CLONAL CHARACTERISTICS OF FIBROUS PLAQUES AND FATTY STREAKS FROM HUMAN AORTAS. Pearson TA, Wang BA, Solez K, Heptinstall RH *Am J Pathol* 81: 379-87, Nov 75 (Eng) \*DL/76AUG880

### FED RAT

THE POSSIBLE ROLE OF PALMITOYL-COA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS. Panov AV, Konstantinov YM, Lyakhovich VV *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

### FEEDING

EFFECT OF FEEDING AND FASTING ON THE EARLY STEPS OF GLUCAGON ACTION IN ISOLATED RAT LIVER CELLS. Fouchereau-Peron M, Rancou F, Freychet P, Rosselin G *Endocrinology* 98: 755-60, Mar 76 (Eng) DL/76AUG71

PARADOXICAL INCREASED FEEDING FOLLOWING GLUCOSE INFUSIONS IN RECOVERED LATERAL RATS. Novin D, Gonzalez MF, Sanderson JD *Am J Physiol* 230: 1084-9, Apr 76 (Eng) DL/76AUG438

[THE INFLUENCE OF FEEDING ON CLINICAL-CHEMICAL PARAMETERS IN THE SERUM OF RATS (AUTHORS TRANSL)] Breuer J, Kieser H *Z Klin Chem Klin Biochem* 13: 401-5, Sep 75 (Ger) \*DL/76AUG595

LETTER: POSTOPERATIVE FEEDING AND METABOLISM. Wiklund L, Jorfeldt L *Lancet* 2: 770, 18 Oct 75 (Eng) \*DL/76AUG742

THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION. Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772

EXPERIMENTS WITH LIMITED FEEDING OF HORSES UNDER FIELD CONDITIONS. Bengtsson SG *Zentralbl Veterinarmed* [A] 22: 445-62, Aug 75 (Eng) \*DL/76AUG867

DRINKING AND FEEDING INDUCED BY JUGULAR AND PORTAL INFUSIONS OF 2-DEOXY-D-GLUCOSE. Russell PJ, Mogenson GJ *Am J Physiol* 229: 1014-8, Oct 75 (Eng) \*DL/76AUG882

FEEDING: NEURAL CONTROL OF INTAKE. Hoebel BG *Annu Rev Physiol* 33: 533-68, 1971 (Eng) [221] \*DL/76AUG894

### FEMALE

METABOLISM OF 14C-DEHYDROEPIANDROSTERONE IN FEMALE ADIPOSE TISSUE AND VENOUS BLOOD. Schindler AE, Aymar M *Endocrinol Exp (Bratisl)* 9: 215-22, Sep 75 (Eng) \*DL/76AUG668

SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION. Thorogood M, Mann JI *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774

### FEMALE PATIENT

RESEARCH ON A NEW TYPE OF ANTINSULIN ANTIBODY IN A DIABETIC FEMALE PATIENT: THE CYTOTOXIC ANTIBODY. ANTINSULIN CYTOTOXIC ANTIBODY. Mathov E, Greiding L *Allergol Immunopathol (Madr)* 4: 1-14, Jan-Feb 76 (Eng) DL/76AUG424

### FEMOROPLOPITEAL BYPASS

FEMOROPLOPITEAL BYPASS FOR SALVAGE AND CLAUDICATION: A COMPARISON OF LONG-TERM RESULTS. Martin CE, Foster JH *South Med J* 69: 420-3, Apr 76 (Eng) DL/76AUG340

## Diabetes Literature—Keyword Index

### FEMOROPLOPLITEAL BYPASS GRAFT

THE SEQUENTIAL FEMOROPLOPLITEAL BYPASS GRAFT. A FIVE YEAR EXPERIENCE. Friedmann P, DeLaurentis DA, Rhee SW *Am J Surg* 131: 452-6, Apr 76 (Eng) DL/76AUG443

### FERMENTATION

THE RESPONSE OF A BIOELECTROCHEMICAL CELL WITH SACCHAROMYCES CEREVISIAE METABOLIZING GLUCOSE UNDER VARIOUS FERMENTATION CONDITIONS. Videla HA, Arvia AJ *Biotechnol Bioeng* 17: 1529-43, Oct 75 (Eng) \*DL/76AUG641

### FETAL

ENERGETIC ASPECTS OF LATE FETAL AND NEONATAL METABOLISM. PP. 1-9. Hommes FA *In* Hommes FA, Van den Berg CJ, ed. *Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [38] DL/76AUG167

### FETAL BREATHING

MATERNAL SMOKING AND FETAL BREATHING MOVEMENTS. Gennser G, Marsal K, Brantmark B *Am J Obstet Gynecol* 123: 861-7, 15 Dec 75 (Eng) \*DL/76AUG608

### FETOPLACENTAL COMPLEX

[CERTAIN INDICATORS OF THE FUNCTIONAL STATE OF FETOPLACENTAL COMPLEX IN PREGNANCY COMPLICATED BY LATE TOXEMIA AND THREATENED ABORTION] Anisimova MI, Eiber NS, Kiriasova ZhR *Vopr Okhr Materin Det* 19: 62-6, Apr 74 (Rus) \*DL/76AUG860

### FETUS

THE PRESENT SITUATION OF CLINICAL MONITORING OF THE FETUS DURING LABOR. Saling EZ, Dudenhausen JW *J Perinat Med* 1: 75-103, 1973 (Eng) [96] \*DL/76AUG723

### FFA

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### FIBROBLAST

SELECTIVE INHIBITION OF THE FACILITATED MODE OF SUGAR UPTAKE BY CYTOCHALASIN B IN CULTURED CHICK FIBROBLASTS. Dolberg DS, Bassham JA, Bissell MJ *Exp Cell Res* 96: 129-37, Nov 75 (Eng) \*DL/76AUG498

STIMULATION OF LACTIC ACID PRODUCTION IN CHICK EMBRYO FIBROBLASTS BY SERUM AND HIGH PH IN THE ABSENCE OF EXTERNAL GLUCOSE. Fodge DW, Rubin H *J Cell Physiol* 86: 453-7, Dec 75 (Eng) \*DL/76AUG539

### WI-38-FIBROBLAST

PROSTAGLANDIN E1 INDUCED CHANGES IN CYCLIC AMP LEVELS IN WI-38 HUMAN FIBROBLASTS. TWO DIFFERENT EFFECTS OF CELL DENSITY. O'Neill JP, Hsie AW *Biochim Biophys Acta* 404: 243-8, 9 Oct 75 (Eng) \*DL/76AUG628

### FIBROBLAST GROWTH FACTOR

NUTRIENT-DEPENDENT ARREST OF FIBROBLAST GROWTH IS PARTIALLY REVERSED BY INSULIN BUT NOT

FIBROBLAST GROWTH FACTOR. Kamely D, Rudland P *Nature* 260: 51-3, 4 Mar 76 (Eng) DL/76AUG271

### FIBROUS PLAQUE

CLONAL CHARACTERISTICS OF FIBROUS PLAQUES AND FATTY STREAKS FROM HUMAN AORTAS. Pearson TA, Wang BA, Sotelo K, Heptinstall RH *Am J Pathol* 81: 379-87, Nov 75 (Eng) \*DL/76AUG880

### FICUS BENGALENSIS LINN

HYPOLYCAEMIC ACTION OF BENGALENSIDE, A GLUCOSIDE ISOLATED FROM FICUS BENGALENSIS LINN, IN NORMAL AND ALLOXAN DIABETIC RABBITS. Augusti KT *Indian J Physiol Pharmacol* 19: 218-20, Oct-Dec 75 (Eng) DL/76AUG121

### FIELD CONDITIONS

EXPERIMENTS WITH LIMITED FEEDING OF HORSES UNDER FIELD CONDITIONS. Bengtsson SG *Zentralbl Veterinarmed* [A] 22: 445-62, Aug 75 (Eng) \*DL/76AUG867

### FIRE EXTINGUISHING AGENT

THE EFFECTS OF THREE VAPORIZABLE FIRE EXTINGUISHING AGENTS ON MYOCARDIAL METABOLISM AND CARDIOVASCULAR DYNAMICS IN THE ANESTHETIZED DOG. Van Stee EW, Harris AM, Horton ML, Back KC *Toxicol Appl Pharmacol* 34: 62-71, Oct 75 (Eng) \*DL/76AUG588

### FLOW

THE EFFECTS OF ADP ON REVERSE ELECTRON FLOW AND THE OXYGEN EXCHANGE REACTIONS CATALYZED BY BOVINE HEART MUSCLE SUBMITOCHONDRIAL PARTICLES. Mitchell RA, Russo JA, Lamos CM *J Supramol Struct* 3: 256-60, 1975 (Eng) \*DL/76AUG740

### FLOW, BLOOD

THE EFFECT OF GLUCAGON ON TOTAL LIVER BLOOD FLOW AFTER OCCLUSION OF THE HEPATIC ARTERY. A STUDY IN ANESTHETIZED, NORMOTENSIVE DOGS. Darle N, Lim RC, Lindberg B *Acta Chir Scand* 142: 43-6, 1976 (Eng) DL/76AUG397

THE RESPONSE OF BLOOD FLOW TO ALTERED PERFUSION PRESSURE IN CANINE ADIPOSE TISSUE. Ballard K, Allipoulos JC *Proc Soc Exp Biol Med* 150: 65-70, Oct 75 (Eng) \*DL/76AUG780

### FLOW, ELECTRON

MODIFICATION OF INTENSITY AND DIRECTION OF ELECTRON FLOW ACROSS BILEAFLET MEMBRANES. Chen CH, Berns DS *Proc Natl Acad Sci USA* 72: 3407-11, Sep 75 (Eng) \*DL/76AUG762

### FLUDROCORTISONE

THERAPEUTIC EXPERIENCE WITH FLUDROCORTISONE IN DIABETIC POSTURAL HYPOTENSION. Campbell IW, Ewing DJ, Clarke BF *Br Med J* 1: 872-4, 10 Apr 76 (Eng) DL/76AUG19

### FLUID

EFFECT OF PARATHYROID HORMONE ON RENAL TUBULAR FLUID AND GLUCOSE REABSORPTION. Baumann K, Chan YL, Bode

F, Papavassiliou F, Wagner M *Curr Probl Clin Biochem* 4: 223-8, 1975 (Eng) \*DL/76AUG488

### FLUID ABSORPTION

REEVALUATION OF MICROPUNCTURE TECHNIQUES: SOME OF THE FACTORS WHICH AFFECT THE RATE OF FLUID ABSORPTION BY THE PROXIMAL TUBULE. Sato K *Curr Probl Clin Biochem* 4: 175-87, 1975 (Eng) \*DL/76AUG487

### FLUIDITY, CELL SURFACE

[FLUIDITY OF THE CELL SURFACE] Larsen B, Barford NM *Ugeskr Laeger* 137: 2633-5, 3 Nov 75 (Dan) \*DL/76AUG597

### FLUIDITY, MEMBRANE

MEMBRANE FLUIDITY AND CELLULAR FUNCTIONS. Singer SJ *Adv Exp Med Biol* 62: 181-92, 1975 (Eng) [41] \*DL/76AUG599

MEMBRANE FLUIDITY AND THE REGULATION OF MEMBRANE-BOUND ENZYMES. Vessey DA, Zakim D *Horiz Biochem Biophys* 1: 138-74, 1974 (Eng) [39] \*DL/76AUG697

### FLUORESCENT PROBE

THE APPLICATION OF FLUORESCENT PROBES IN MEMBRANE STUDIES. Azzi A *Q Rev Biophys* 8: 237-316, May 75 (Eng) [242] \*DL/76AUG787

### FLUOROMETRIC

SEMI-SOLID SURFACE FLUOROMETRIC ANALYSIS OF GLUCOSE. Kiang SW, Kuan JW, Guilbault GG *Clin Chem* 21: 1799-801, Nov 75 (Eng) \*DL/76AUG657

FLUOROMETRIC AND MYOTHERMIC STUDIES OF CARDIAC ENERGETICS. Chapman JB, Gibbs CL *Recent Adv Stud Cardiac Struct Metab* 5: 449-55, 1975 (Eng) \*DL/76AUG835

### FLUX, SYSTOLIC TRANSMEMBRANE CALCIUM

THE RELATIONSHIP BETWEEN ADENOSINE 3,5-MONOPHOSPHATE LEVELS AND SYSTOLIC TRANSMEMBRANE CALCIUM FLUX. Watanabe AM, Besch HR Jr *Recent Adv Stud Cardiac Struct Metab* 5: 95-102, 1975 (Eng) \*DL/76AUG837

### FOLLICLE STIMULATING HORMONE

EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN. Lal S, Tolis G, Martin SB, Brown GM, Guyda HJ *Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

EFFECT OF FSH AND LH ON THE GLYCOCEN CONCENTRATION IN TESTIS OF INTACT AND HYPOPHYSECTOMIZED RATS. Leiderman B, Mancini RE *Acta Physiol Lat Am* 24: 305-11, 1974 (Eng) \*DL/76AUG875

PROPERTIES OF FOLLICLE-STIMULATING-HORMONE RECEPTOR IN CELL MEMBRANES OF BOVINE TESTIS. Cheng KW *Biochem J* 149: 123-32, Jul 75 (Eng) \*DL/76AUG912

### FOLLOW-UP

SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC

## Diabetes Literature—Keyword Index

### FOOD

- CHANGES. Bernardis LL, Goldman JK, Chlouvarakis C, Frohman LA *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205
- [SOMATIC AND MENTAL DEVELOPMENT OF CHILDREN FROM DIABETIC MOTHERS: RESULTS OF A FOLLOW-UP AT AGES BETWEEN 4 TO 16 YEARS] Amendt P *Acta Paediatr Acad Sci Hung* 16: 299-315, 1975 (Ger) DL/76AUG416

### FOOD

- FACTORS INFLUENCING ADIPOSE TISSUE RESPONSE TO FOOD CARBOHYDRATES. PP. 46-53. Romsos DR, Leveille GA *In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [21] DL/76AUG172
- LETTER: FOOD: INFLUENCE OF FORM ON ABSORPTION. Leeds AR, Gassull MA, Metz GL, Jenkins DJ *Lancet* 2: 1213, 13 Dec 75 (Eng) \*DL/76AUG570

### FOOD INTAKE

- PROGRESS REPORT. NORMAL AND ABNORMAL FOOD INTAKE. Hall RJ *Gut* 16: 744-52, Sep 75 (Eng) [89] \*DL/76AUG510

### FOOD, POLYUNSATURATED

- LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES: USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879

### FREQUENCY

- LOWER FREQUENCY OF DIABETES AMONG HOSPITALIZED NEGRO THAN WHITE CHILDREN: THEORETICAL IMPLICATIONS. Mac Donald MJ *Acta Genet Med Gemellol (Roma)* 24: 119-26, 1975 (Eng) DL/76AUG410

### FRUCTOSE

- BENEFITS OF DIETARY FRUCTOSE IN ALLEVIATING THE HUMAN STRESS RESPONSE. PP. 54-72. Palm JD *In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) DL/76AUG170
- THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION. Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772

### D-FRUCTOSE CATABOLISM

- CATABOLISM OF D-FRUCTOSE AND D-RIBOSE BY PSEUDOMONAS DOUDOROFFII. II. PROPERTIES OF 1-PHOSPHOFRUCTOKINASE AND 6-PHOSPHOFRUCTOKINASE. Baurmann L, Baumann P *Arch Microbiol* 105: 241-8, 7 Nov 75 (Eng) \*DL/76AUG903

### FRUCTOSE INTOLERANCE, HEREDITARY

- BIOCHEMICAL ASPECTS OF HEREDITARY FRUCTOSE INTOLERANCE. PP. 211-28. Van den Bergh G *In: Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [94] DL/76AUG166

- FRUCTOSE-INDUCED HYPERURICEMIA: OBSERVATIONS IN NORMAL CHILDREN AND IN PATIENTS WITH HEREDITARY FRUCTOSE INTOLERANCE AND GALACTOSEMIA. Kogut MD, Roe TF, Ng W, Nonnel GN *Pediatr Res* 9: 774-8, Oct 75 (Eng) \*DL/76AUG757

### FULMINATING DIABETES

- FATAL FULMINATING DIABETES MELLITUS. Jewett JF *N Engl J Med* 294: 1289-90, 3 Jun 76 (Eng) DL/76AUG269

### FUNDULUS DIAPHANUS

- SALINITY TOLERANCE AND EXTRACELLULAR OSMOREGULATION IN TWO SPECIES OF EURYHALINE TELEOSTS, CULAE INCONSTANS AND FUNDULUS DIAPHANUS. Ahokas RA, Duerr FG *Comp Biochem Physiol* [A] 52: 445-8, 1 Nov 75 (Eng) \*DL/76AUG665

### FUNDUS

- IMMEDIATE FUNDUS COMPLICATIONS AFTER RETINAL SCATTER PHOTOCOAGULATION. I. CLINICAL PICTURE AND PATHOGENESIS. Huamonte FU, Peyman GA, Goldberg MF, Lockett A *Ophthalmic Surg* 7: 88-99, Spring 76 (Eng) DL/76AUG280

### FURAZOLIDONE

- BLOOD GLUCOSE AND TISSUE GLYCOGEN LEVELS IN TURKEY POULTS WITH SPONTANEOUS ROUND HEART DISEASE AND FURAZOLIDONE-INDUCED CARDIOMYOPATHY. Czarnecki CM, Reneau JK, Janus EF *Avian Dis* 19: 773-80, Oct-Dec 75 (Eng) \*DL/76AUG619

### GALACTOMANNANS

- PHYSIOLOGICAL EFFECTS OF MANNANS, GALACTOMANNANS, AND GLUCOMANNANS. PP. 296-311. Davis SE, Lewis BA *In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [103] DL/76AUG175

### GALACTOSE

- TWO-CARRIER MODELS FOR MEDIATED TRANSPORT. II. GLUCOSE AND GALACTOSE EQUILIBRIUM EXCHANGE EXPERIMENTS IN HUMAN ERYTHROCYTES AS A TEST FOR SEVERAL TWO-CARRIER MODELS. Eilam Y *Biochim Biophys Acta* 401: 364-9, 2 Sep 75 (Eng) \*DL/76AUG623
- SUGAR TRANSPORT BY INTESTINE. ESCAPE OF GALACTOSE FROM PRELOADED MUCOSA OF HAMSTER JEJUNUM. Baker RD, Lo CS, Nunn AS *Biochim Biophys Acta* 401: 429-39, 2 Sep 75 (Eng) \*DL/76AUG625

### D-GALACTOSE

- D-GALACTOSE ACCUMULATION IN RABBIT ILEUM. EFFECTS OF THEOPHYLLINE ON SEROSAL PERMEABILITY. Holman GD, Nafatalin RJ *Biochim Biophys Acta* 406: 386-401, 17 Oct 75 (Eng) \*DL/76AUG630

### GALACTOSEMIA

- MANNITOL EXCRETION IN GALACTOSEMIA PATIENTS. Ng WG, Donnell GN, Bergren WR *Clin Chim Acta* 64: 39-44, 1 Oct 75 (Eng) \*DL/76AUG660

- FRUCTOSE-INDUCED HYPERURICEMIA: OBSERVATIONS IN NORMAL CHILDREN AND IN PATIENTS WITH HEREDITARY FRUCTOSE INTOLERANCE AND GALACTOSEMIA. Kogut MD, Roe TF, Ng W, Nonnel GN *Pediatr Res* 9: 774-8, Oct 75 (Eng) \*DL/76AUG757

### GASTRIC ACID SECRETION

- INHIBITION OF GASTRIC ACID SECRETION IN MAN BY EXOGENOUS AND ENDOGENOUS PANCREATIC GLUCAGON. Christiansen J, Holst JJ, Kalaja E *Gastroenterology* 70: 688-92, May 76 (Eng) DL/76AUG101

### GASTRIC EMPTYING

- GASTRIC EMPTYING OF HYPERTONIC GLUCOSE IN DIABETES MELLITUS AND DUODENAL ULCER. Hall WH, Sanders LL *South Med J* 69: 433-5, Apr 76 (Eng) DL/76AUG341

### GASTRIC INHIBITORY POLYPEPTIDE

- THE EFFECT OF SOMATOSTATIN ON RELEASE AND INSULINOTROPIC ACTION OF GASTRIC INHIBITORY POLYPEPTIDE. Pederson RA, Dryburgh JR, Brown JC *Can J Physiol Pharmacol* 53: 1200-5, Dec 75 (Eng) DL/76AUG25

### GASTRIC MUCOSA

- METABOLISM OF DOG GASTRIC MUCOSA. NUCLEOTIDE LEVELS IN Parietal Cells. Sarau HM, Foley J, Moonsammy G, Wiebelhaus VD *J Biol Chem* 250: 8321-9, 10 Nov 75 (Eng) \*DL/76AUG527

### GASTRIN SECRETION

- THE EFFECT ON GASTRIN SECRETION OF AGENTS WHICH INCREASE THE INTRACELLULAR CONCENTRATION OF 3,5-ADENOSINE MONOPHOSPHATE. Hayes JR, Williams RH *Endocrinology* 97: 1210-4, Nov 75 (Eng) \*DL/76AUG671

### GASTRIN, SERUM

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### GASTROINTESTINAL

- THE ROLE OF CYCLIC AMP AND PROSTAGLANDINS IN HEPATIC AND GASTROINTESTINAL FUNCTIONS. PP. 75-117. Levine RA *In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP*. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) [95] DL/76AUG180

### GASTROINTESTINAL HORMONE

- [GASTROINTESTINAL HORMONES] Feurle GE *Internist (Berlin)* 17: 129-35, Mar 76 (Ger) DL/76AUG124

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## GLOMERULAR METABOLISM

GLOMERULAR METABOLISM IN THE RAT. Gregoire F *Curr Probl Clin Biochem* 4: 33-8, 1975 (Eng) \*DL/76AUG489

## GLOMERULAR NEPHRITIS

TUBULINTERSTITIAL AND GLOMERULAR NEPHRITIS ASSOCIATED WITH RIFAMPIN. REPORT OF A CASE. Gabow PA, Lacher JW, Neff TA *JAMA* 235: 2517-8, 7 Jun 76 (Eng) DL/76AUG209

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## GLUCAGON

[EFFECTS OF GLUCAGON ON THE GASTRIC MICROCIRCULATION OF THE RAT] Cagol PP, Dodi G, Zanon GF *Chir Patol Sper* 23: 111-4, Jun 75 (Ita) DL/76AUG61

THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

EFFECTS OF NEUROTENSIN AND SUBSTANCE P ON PLASMA INSULIN, GLUCAGON AND GLUCOSE LEVELS. Brown M, Vale W *Endocrinology* 98: 819-22, Mar 76 (Eng) DL/76AUG73

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THE MITOCHONDRIAL PYRUVATE CARRIER, ITS EXCHANGE PROPERTIES AND ITS REGULATION BY GLUCAGON. Titheradge MA, Coore HG *FEBS Lett* 63: 45-50, 15 Mar 76 (Eng) DL/76AUG90

DAILY VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113

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IDENTIFICATION OF GLUCAGON-PRODUCING CELLS (A CELLS) IN DOG GASTRIC MUCOSA. Baetens D, Rufenner C, Srikanth BC, Dobbs R, Unger R, Orci L *J Cell Biol* 69: 455-64, May 76 (Eng) DL/76AUG137

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D *Ino Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188*

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

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CHANGES IN CATECHOLAMINE- AND GLUCAGON-RESPONSIVE ADENYLATE CYCLASE ACTIVITY IN PRENEOPLASTIC RAT LIVER. Boyd H, Martin TJ *Mol Pharmacol* 12: 195-202, Mar 76 (Eng) DL/76AUG253

LETTER: GLUCAGON AND BLOOD SUGAR. Anonymous *N Engl J Med* 294: 1238-40, 27 May 76 (Eng) DL/76AUG266

[BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBSE SUBJECTS] Lanzara P, Marozzi P, Carmina E, Janni A *Pediatrics* (Napoli) 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291

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THE EFFECT OF GLUCAGON ON TOTAL LIVER BLOOD FLOW AFTER OCCLUSION OF THE HEPATIC ARTERY. A STUDY IN ANESTHETIZED, NORMOTENSIVE DOGS. Darle N, Lim RC, Lindberg B *Acta Chir Scand* 142: 43-6, 1976 (Eng) DL/76AUG397

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

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GLUCAGON AND BARIUM ENEMA EXAMINATIONS: A CONTROLLED CLINICAL TRIAL. Harned RK, Stelling CB, Williams S, Wolf GL *Am J Roentgenol* 126: 981-4, May 76 (Eng) DL/76AUG442

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## GLUCAGON RELEASE

DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISOLATION PERFUSED RAT PANCREAS AND THE EFFECT OF CHEMICAL SYMPATHETOMY. Lundquist I, Fanska R, Grodzki GM *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72



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INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

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#### GLUCAGON SECRETION

POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN. Marco J, Hedo JA, Martinell J, Calle C, Villanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

#### GLUCAGON SENSITIVE

GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA. Mulvehill JB, Hui YS, Barnes LD, Palumbo PJ, Dousa TP *J Clin Endocrinol Metab* 42: 380-4, Feb 76 (Eng) DL/76AUG143

#### GLUCAGON SUPPRESSION

ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION. Charles MA, Imagawa W, Forsham PH, Grodsky GM *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70

#### GLUCOCORTICOID

GLUCOCORTICIDS AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT. Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

COUNTERACTION OF GLUCOCORTICOID-INDUCED HYPERGLYCAEMIA BY HYPOGLYCAEMIA. Kean EA, Walters P *West Indian Med J* 24: 206-9, Dec 75 (Eng) DL/76AUG372

EFFECTS OF GLUCOCORTICIDS ON CARBOHYDRATE METABOLISM. Olefsky JM, Kimmerling G *Am J Med Sci* 271: 202-10, Mar-Apr 76 (Eng) DL/76AUG430

GLUCOCORTICOID THERAPY IN CHILDREN. EFFECT ON SOMATOTROPIN SECRETION. Elders MJ, Wingfield BS, McNatt ML, Clarke JS, Hughes ER *Am J Dis Child* 129: 1393-6, Dec 75 (Eng) \*DL/76AUG606

#### GLUCO-AMYLASE TEST

[DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS] Andreoni G, Ragaglia G, Schiavi W, Bernacchino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578

#### GLUCOMANNANS

PHYSIOLOGICAL EFFECTS OF MANNANS, GALACTOMANNANS, AND GLUCOMANNANS. PP. 296-311. Davis SE, Lewis BA *In: Jeane A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QJ 75 A512p 1974. (Eng) [103] DL/76AUG175

### GLUCONEOGENESIS

GLUCONEOGENESIS IN THE NEONATAL RAT: THE METABOLISM AND DISPOSITION OF ALANINE DURING POSTNATAL DEVELOPMENT. PP. 77-95. Snell K *In: Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [49] DL/76AUG168

STUDIES ON GLUCONEOGENESIS AND STIMULATION OF GLYCOGEN AND PROTEIN SYNTHESIS IN ISOLATED HEPATOCYTES IN ALLOXAN DIABETIC, NORMAL FED AND FASTED ANIMALS. Wagle SR, Ingebreten WR, Sampson L *Acta Diabetol Lat* 12: 185-98, May-Aug 75 (Eng) DL/76AUG400

GLUCONEOGENESIS IN ISOLATED NEPHRON SEGMENTS OF THE RABBIT. Hohmann B, Schärer K *Curr Probl Clin Biochem* 4: 47-50, 1975 (Eng) \*DL/76AUG491

THE ROLE OF THE ADRENAL MEDULLA IN THE CONTROL OF GLUCONEOGENESIS IN THE RAT. Born CK, Spratto GR *Res Commun Chem Pathol Pharmacol* 12: 481-98, Nov 75 (Eng) \*DL/76AUG585

ADAPTIVE ALTERATIONS IN LACTOBACILLUS CASEI GLUCONEOGENESIS IN CELLS GROWN ON RIBOSE. Pradhan PG, Nadkarni GB *Arch Biochem Biophys* 171: 65-9, Nov 75 (Eng) \*DL/76AUG898

#### GLUCONEOGENESIS, RENAL

STIMULATION OF RENAL GLUCONEOGENESIS BY L-ALANINE AND AIB. Friedrichs D, Schoner W *Curr Probl Clin Biochem* 4: 79-84, 1975 (Eng) \*DL/76AUG493

#### GLUCONEOGENIC ENZYME

ROLE OF ADRENALS IN THE VITAMIN A-MEDIATED INCREASE IN THE ACTIVITIES OF GLUCONEOGENIC ENZYMES OF RAT LIVER. Singh M, Ningh VN, Venkatasubramanian TA *Life Sci* 17: 859-65, 15 Sep 75 (Eng) \*DL/76AUG573

#### GLUCOPRIVIC (2DG)

GLUCOPRIVIC (2DG) EATING IN RATS DESPITE KNIFE CUT INDUCED HYPERPHAGIA Houpt KA, Gold RM *Pharmacol Biochem Behav* 3: 583-8, Jul-Aug 75 (Eng) \*DL/76AUG781

#### GLUCOREGULATION

[CONTINUOUS STUDY OF RAPIDLY FLUCTUATING PARAMETERS IN THE STUDY OF GLUCOREGULATION] Collard F, Orsetti A, Mitrouze J *Pathol Biol (Paris)* 23: 747-52, Nov 75 (Fre) DL/76AUG286

#### GLUCOSE

EFFECTS OF NEUROTENSIN AND SUBSTANCE P ON PLASMA INSULIN, GLUCAGON AND GLUCOSE LEVELS. Brown M, Vale W *Endocrinology* 98: 819-22, Mar 76 (Eng) DL/76AUG73

[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE] Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palumieri

E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

DIURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113

EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA. Davidson MB, Fisher MB, Dahir-Vaziri N, Schaffer M *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaise WJ *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

[NORMOGLYCEMIC GLYCOSURIA IN PREGNANT WOMEN. DISCUSSION CONTRIBUTION TO THE ARTICLE OF ASSISTANT PROF. PAV AND SPERL, M.D. TUBULAR EXTRACTION OF GLUCOSE IN PREGNANT WOMEN VITRINI LEK. 21, 1975, 12, P.1166-9] Rames I *Vnitri Lek* 22: 401-2, Apr 76 (Cze) DL/76AUG364

RATE OF INCORPORATION OF CO<sub>2</sub> CARBON INTO GLUCOSE AND OTHER BODY CONSTITUENTS IN VIVO. Shipley RA, Gibbons AP *Can J Physiol Pharmacol* 53: 895-902, Oct 75 (Eng) \*DL/76AUG474

EFFECTS OF GLUCOSE REPRESSION OF THE TRANSMISSION AND RECOMBINATION OF MITOCHONDRIAL GENES IN YEAST (SACCHAROMYCES CEREVISIAE). Birky CW *Jr Genetics* 80: 695-709, Aug 76 (Eng) \*DL/76AUG509

EFFECTS OF 1,3-BUTANEDIOL AND 1,2-PROPANEDIOL ON BLOOD KETONE BODIES AND GLUCOSE IN SHEEP FED RESTRICTED DIETS. Emmanuel B, Nahapetian A *J Anim Sci* 41: 1468-73, Nov 75 (Eng) \*DL/76AUG523

STIMULATION OF LACTIC ACID PRODUCTION IN CHICK EMBRYO FIBROBLASTS BY SERUM AND HIGH PH IN THE ABSENCE OF EXTERNAL GLUCOSE. Fodge DW, Rubin H *J Cell Physiol* 86: 453-7, Dec 75 (Eng) \*DL/76AUG539

INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES. Lacko L, Wittke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

THE GLUCOSE CONTROL MECHANISM VIEWED AS A REGULATOR. Zelin S, Norwich KH, Hetenyi G *Med Biol Eng* 13: 503-8, Jul 75 (Eng) \*DL/76AUG566

[EFFECT OF VEGETABLE POLYPHENOLS ON THE LEVEL OF GLYCOGEN IN THE TISSUES AND GLUCOSE IN THE BLOOD OF STARVING RABBITS] Shamrai EF, Stroeve LM, Shuliakivska TO *Ukr Biokhim Zh* 47: 107-9, Jan-Feb 75 (Ukr) \*DL/76AUG589

EQUINE SERUM LIPIDS: SERUM LIPIDS AND GLUCOSE IN MORGAN AND THOROUGHBRED HORSES AND SHETLAND PONIES. Robie SM, Janson CH, Smith SC, O'Connor JT *Jr Am J Vet Res* 36: 1705-8, Dec 75 (Eng) \*DL/76AUG612

# GLUCOSE CONCENTRATION

## GLUCOSE BINDING PROTEIN

ISOLATION OF GLUCOSE BINDING PROTEIN FROM BRUSH BORDER MEMBRANES OF RAT KIDNEY CORTEX. Thomas L. *Curr Probl Clin Biochem* 4: 51-5, 1975 (Eng) \*DL/76AUG492

[PRESENCE AND LOCALIZATION OF GLUCOSE-BINDING PROTEINS IN THE TONGUE] Ostretsova IB, Safarian EK, Etingof RN. *Dokl Akad Nauk SSSR* 223: 1484-7, 21 Aug 75 (Rus) \*DL/76AUG494

## GLUCOSE, BLOOD

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G Jr. *Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112

EFFECT OF STREPTOZOTOCIN ON THE BLOOD GLUCOSE LEVEL AND HISTOLOGY OF THE PRINCIPAL ISLETS OF CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS. *Z Mikrosk Anat Forsch* 89: 319-26, 1975 (Eng) DL/76AUG391

COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST. Papic Z, Katona G, Crepinko I, Skrabalo Z. *Acta Diabetol Lat* 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

[GLUCOSE CONCENTRATION IN BLOOD DURING EXERCITION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCITION IN VARIOUS BREEDS OF SWINE] Bunker U, Steinhardt M, Riehm G, Gohler H, Bunker B, Lyhs L. *Arch Exp Veterinaarmed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

BLOOD GLUCOSE AND TISSUE GLYCOGEN LEVELS IN TURKEY POULTS WITH SPONTANEOUS ROUND HEART DISEASE AND FUZZALIDONE-INDUCED CARDIOMYOPATHY. Czarnecki CM, Reneau JK, Janus EF. *Avian Dis* 19: 773-80, Oct-Dec 75 (Eng) \*DL/76AUG619

BLOOD GLUCOSE PROFILES IN MAN AFTER INGESTION OF GLUCOSE SYRUP FRACTIONS. Kearsley M, Fairhurst E, Green LF. *Proc Nutr Soc* 34: 60a-61a, Sep 75 (Eng) \*DL/76AUG769

ELEVATED BLOOD GLUCOSE LEVELS AND SATIETY IN THE RAT. Wilson WH, Heller HC. *Physiol Behav* 15: 137-43, Aug 75 (Eng) \*DL/76AUG784

[EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERCITION. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE] Bunker U, Steinhardt M, Riehm G, Bunker B, Lyhs L. *Arch Exp Veterinaarmed* 29: 631-40, 1975 (Ger) \*DL/76AUG906

## GLUCOSE CLAMP

THE DEVELOPMENT OF A GLUCOSE CLAMP. Norwich KH, Fluker G, Anthony J, Popescu I, Pagurek B, Hetenyi G Jr. *Metabolism* 24: 1221-30, Nov 75 (Eng) \*DL/76AUG744

## GLUCOSE CONCENTRATION

[GLUCOSE CONCENTRATION IN BLOOD DURING EXERCITION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE

EFFECT OF THERMAL STRESS AND DEHYDRATION ON PLASMA LEVELS OF GLUCOSE, FREE FATTY ACIDS AND GROWTH HORMONE IN THE PIGEON. John TM, McKeown BA, George JC. *Arch Int Physiol Biochem* 83: 303-8, May 75 (Eng) \*DL/76AUG615

STIMULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) ACTIVITY BY LOW CONCENTRATIONS OF CIRCULATING GLUCOSE IN PERFUSED RAT LIVER. Moreno FJ, Sanchez-Urrutia L, Medina JM, Sanchez-Medina F, Mayor F. *Biochem J* 150: 51-8, Jul 75 (Eng) \*DL/76AUG620

TWO-CARRIER MODELS FOR MEDIATED TRANSPORT. II. GLUCOSE AND GALACTOSE EQUILIBRIUM EXCHANGE EXPERIMENTS IN HUMAN ERYTHROCYTES AS A TEST FOR SEVERAL TWO-CARRIER MODELS. Eilam Y. *Biochim Biophys Acta* 401: 364-9, 2 Sep 75 (Eng) \*DL/76AUG623

ACCELERATIVE EXCHANGE DIFFUSION KINETICS OF GLUCOSE BETWEEN BLOOD AND BRAIN AND ITS RELATION TO TRANSPORT DURING ANOXIA. Betz AL, Gilboe DD, Drewes LR. *Biochim Biophys Acta* 401: 416-28, 2 Sep 75 (Eng) \*DL/76AUG624

THE RESPONSE OF A BIOELECTROCHEMICAL CELL WITH SACCHAROMYCES CEREVISIAE METABOLIZING GLUCOSE UNDER VARIOUS FERMENTATION CONDITIONS. Videla HA, Arvia AJ. *Biotechnol Bioeng* 17: 1529-43, Oct 75 (Eng) \*DL/76AUG641

THE TRANSFER OF GLUCOSE TO STEROIDS BY CHIMPANZEE LIVER MICROSOMES. Labow RS, Williamson DG, Layne DS, Collins DC. *Can J Biochem* 53: 1028-30, Sep 75 (Eng) \*DL/76AUG652

SEMI-SOLID SURFACE FLUOROMETRIC ANALYSIS OF GLUCOSE. Kiang SW, Kuan JW, Guilbault GG. *Clin Chem* 21: 1799-801, Nov 75 (Eng) \*DL/76AUG657

ENZYMATIC PATTERN OF GLUCOSE METABOLIC PATHWAYS IN PYRUVATE KINASE-DEFICIENT ERYTHROCYTES. Guminska M, Wazewska-Czyzewska M. *Clin Chim Acta* 64: 165-72, 15 Oct 75 (Eng) \*DL/76AUG663

FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO. Maroudas A, Stockwell RA, Nachemson A, Urban JJ. *Anat* 120: 113-30, Sep 75 (Eng) \*DL/76AUG706

CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL. Frantz ID 3d, Medina G, Tausch HW Jr. *J Pediatr* 87: 417-20, Sep 75 (Eng) \*DL/76AUG722

THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION. Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J. *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772

EFFECT OF GLUCOSE ON ENZYME RELEASE FROM, AND RECOVERY OF, THE ANOXIC MYOCARDIUM. Hearse DJ, Chain EB. *Recent Adv Stud Cardiac Struct Metab* 3: 763-72, 1973 (Eng) \*DL/76AUG812

THE MEASUREMENT OF GLYCOGEN IN TISSUES BY AMYLO-ALPHA-1,4-ALPHA-1,6-GLUCOSIDASE AFTER THE DESTRUCTION OF PREEXISTING GLUCOSE. Lust WD, Passonneau JV, Crites SK. *Anal Biochem* 68: 328-31, Sep 75 (Eng) \*DL/76AUG884

A SIMULATION MODEL OF EXTRACELLULAR GLUCOSE DISTRIBUTION IN THE HUMAN BODY. Tiran J, Galle KR, Porte D Jr

*Ann Biomed Eng* 3: 34-46, Mar 75 (Eng) \*DL/76AUG888

[CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA] Hadlich M, Kolb E. *Arch Exp Veterinaarmed* 29: 379-95, Jun 75 (Ger) \*DL/76AUG904

## 14C-GLUCOSE

14C-GLUCOSE AND 35S-METABOLISM OF PIG EPIPHYSIAL CARTILAGE AND ITS VARIATIONS AFTER OSTEOTOMY. Beckmann J, Rodegerdts U, Buddecke E. *J Bone Joint Surg [Br]* 57: 506-10, Nov 75 (Eng) \*DL/76AUG535

## 14C-U-GLUCOSE

STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE. Brockman RP, Bergman EN, Pollak WL, Brondum J. *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. IV. INFLUENCE OF INSULIN AND EPINEPHRINE ON LIPOGENESIS FROM (14C)-U-GLUCOSE. Somer JB, Schwartz CJ. *Exp Mol Pathol* 24: 129-41, Apr 76 (Eng) DL/76AUG88

## 3H-GLUCOSE

STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE. Brockman RP, Bergman EN, Pollak WL, Brondum J. *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24

## D-GLUCOSE

REABSORPTION OF D-GLUCOSE FROM VARIOUS REGIONS OF THE RAT PROXIMAL CONVOLUTED TUBULE: EVIDENCE THAT THE PROXIMAL CONVOLUTION IS NOT HOMOGENEOUS. Bode F, Chan YL, Goldner AM, Papavassiliou F, Wagner M, Baumann K. *Curr Probl Clin Biochem* 4: 39-43, 1975 (Eng) \*DL/76AUG490

D-GLUCOSE PERMEABILITY OF BLACK LIPID MEMBRANES MODIFIED BY HUMAN ERYTHROCYTE MEMBRANE FRACTIONS. Lidgard GP, Jones MN. *J Membr Biol* 21: 1-10, 23 Apr 75 (Eng) \*DL/76AUG556

THE EFFECT OF 2-DEOXY-D-GLUCOSE AND 3-O-METHYL-D-GLUCOSE ON MUCOSUBSTANCE SECRETION IN CELL CULTURE. Duguid R, Marsden JC. *Biochem Soc Trans* 3: 498-9, 1975 (Eng) \*DL/76AUG684

## UDP-GLUCOSE

PURIFICATION AND PROPERTIES OF UDP-GLUCOSE GALACTOSYLHYDROXYLYSINE COLLAGEN GLUCOSYLTRANSFERASE (EC 2.4.1.) FROM BOVINE ARTERIAL TISSUE. Henkel W, Buddecke E. *Hoppe Seylers Z Physiol Chem* 356: 921-8, Jun 75 (Eng) \*DL/76AUG695

## GLUCOSE ANALYSIS

A DESIGN IMPROVEMENT IN CONTINUOUS BLOOD SAMPLING AND ANALYSIS FOR GLUCOSE IN REST AND EXERCISE. Tzankoff SP, Leatherman NE, Robinson S Jr. *J Appl Physiol* 39: 873-4, Nov 75 (Eng) \*DL/76AUG710

## GLUCOSE DEHYDROGENASE

VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCISE IN VARIOUS BREEDS OF SWINE] Bunge U, Steinhardt M, Riehm G, Gohler H, Bunge U, Lyhs L. *Arch Exp Veterinaarmed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

## GLUCOSE DEHYDROGENASE

[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL)] Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ. *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

## GLUCOSE DETERMINATION

[A MICROMETHOD FOR THE DETERMINATION OF GLUCOSE IN 20 MICROLITER SAMPLES WITH THE AUTOANALYZER (AUTHORS TRANSL)] Holm H, Pianezzi A, Scholer A. *Z Klin Chem Klin Biochem* 13: 541-3, Dec 75 (Ger) \*DL/76AUG594

[NEW QUANTITATIVE DETERMINATION OF GLUCOSE IN BLOOD OR SERUM] Anonymous. *Ther Ggw* 114: 1465-6, Sep 75 (Ger) \*DL/76AUG848

[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL)] Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ. *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

## GLUCOSE DIFFUSION

FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO. Maroudas A, Stockwell RA, Nachemson A, Urban J. *J Anat* 120: 113-30, Sep 75 (Eng) \*DL/76AUG706

## GLUCOSE, HYPERTONIC

GASTRIC EMPTYING OF HYPERTONIC GLUCOSE IN DIABETES MELLITUS AND DUODENAL ULCER. Hall WH, Sanders LL. *South Med J* 69: 433-5, Apr 76 (Eng) DL/76AUG341

## GLUCOSE INDUCED INSULIN RELEASE

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaisse WJ. *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

## GLUCOSE INFUSION

PARADOXICAL INCREASED FEEDING FOLLOWING GLUCOSE INFUSIONS IN RECOVERED LATERAL RATS. Novin D, Gonzalez MF, Sanderson JD. *Am J Physiol* 230: 1084-9, Apr 76 (Eng) DL/76AUG438

## GLUCOSE INTOLERANCE

[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERINSULINISM AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS] Rusconi C, Cicogna R, Orlando G, Guettra U, Peroni A. *Minerva Cardioangiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

## GLUCOSE METABOLISM

ALTERED GLUCOSE METABOLISM IN METASTATIC CARCINOMA. Holroyde CP, Gabuzda TG, Putnam RC, Paul P, Reichard GA. *Cancer Res* 35: 3710-4, Dec 75 (Eng) \*DL/76AUG477

INTERACTION OF ETHACRYNIC ACID WITH CONTROL SITES OF RENAL GLUCOSE METABOLISM. Fulgraff G, Dingler-Nunemann H. *Curr Probl Clin Biochem* 4: 131-4, 1975 (Eng) \*DL/76AUG486

[EFFECT OF CATECHOLAMINES ON THE METABOLISM OF GLUCOSE, FATTY ACIDS AND ON THE HEART RATE IN GOATS] Bartos S, Dolezel F, Kolb M. *Vet Med (Praha)* 20: 289-301, May 75 (Cze) \*DL/76AUG591

LOCAL SITES OF ACTIVITY-RELATED GLUCOSE METABOLISM IN RAT OLFACTORY BULB DURING OLFACTORY STIMULATION. Sharp FR, Kauer JS, Shepherd GM. *Brain Res* 98: 596-600, 21 Nov 75 (Eng) \*DL/76AUG646

EFFECTS OF SH-REAGENTS OF DIFFERENT MOLECULAR SIZE UPON GLUCOSE METABOLISM IN ISOLATED RAT FAT CELLS. Kather H, Simon B. *Horm Metab Res* 7: 415-8, Sep 75 (Eng) \*DL/76AUG690

IN VITRO INFLUENCE OF STEROIDAL HORMONES ON PROTEIN AND GLUCOSE METABOLISM OF ISOLATED GRANULOMATOUS TISSUE CELLS. Hikawaj I, Nocenti MR. *Arch Int Pharmacodyn Ther* 217: 86-96, Sep 75 (Eng) \*DL/76AUG900

## GLUCOSE OXIDASE

PENETRATION OF TARGET AREAS IN THE RAT BY LIPOSOE-ASSOCIATED BLEOMYCIN, GLUCOSE OXIDASE AND INSULIN. Dapergolas G, Neerunjun ED, Gregoriadis G. *FEBS Lett* 63: 235-9, 1 Apr 76 (Eng) DL/76AUG91

## GLUCOSE OXIDATION

EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED TESTINAL EPITHELIAL CELLS OF THE CHICK. Raheja KL, Tepperman J, Tepperman HM. *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548

EFFECTS OF ARGININE HOMOLOGOUS AND OTHER GUANIDINO COMPOUNDS ON THE ATP LEVEL AND GLUCOSE OXIDATION IN ISOLATED FAT CELLS. Schwegler F, Stock W. *Hoppe Seyler's Z Physiol Chem* 356: 839-44, Jun 75 (Eng) \*DL/76AUG693

## GLUCOSE, PLASMA

RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS. Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensnick JW, Bierman EL, Porte D Jr. *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

RE-INCORPORATION OF CARBON ATOMS INTO PLASMA GLUCOSE IN NEWBORN DOGS. Hall SE, Hetenyi G Jr. *Can J Physiol Pharmacol* 53: 967-8, Oct 75 (Eng) \*DL/76AUG476

A NEW FAT-DEPENDENT TIME-MODIFIED RELATIONSHIP BETWEEN BASAL PLASMA GLUCOSE LEVELS AND THE EARLY GLUCOSE RESPONSE TO ORAL GLUCOSE LOADING IN NORMAL HUMAN SUBJECTS. Trenchard PM. *Clin Chim Acta* 65: 139-42, 15 Nov 75 (Eng) \*DL/76AUG480

LETTER: MEASUREMENT OF PLASMA-GLUCOSE LEVELS IN THE SIDE-ROOM. Brunton

WA, Percy-Robb IW. *Lancet* 2: 1153, 6 Dec 75 (Eng) \*DL/76AUG568

THE EFFECT OF ETHYLURETHANE ON HEMATOCRIT, BLOOD PRESSURE AND PLASMA-GLUCOSE. Van Der Meer C, Versluis-Broers JA, Tuynman HA, Buur VA. *Arch Int Pharmacodyn Ther* 217: 257-75, Oct 75 (Eng) \*DL/76AUG901

[EFFECT OF ANEMIA ON VARIOUS REACTIONS OF THE DOMESTIC SWINE DUE TO PHYSICAL EXERCISE. 3. CHANGES IN PLASMA GLUCOSE AND LACTIC ACID CONCENTRATIONS] Bunge U, Steinhardt M, Riehm G, Lyhs L. *Arch Exp Veterinaarmed* 29: 581-93, 1975 (Ger) \*DL/76AUG905

## GLUCOSE PRODUCTION

STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE. Brockman RP, Bergman EN, Pollak WL, Brondom J. *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24

HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIBIA MEANS LIVER IN ORGAN CULTURE. Brown D, Fleming N, Balls M. *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

## GLUCOSE REABSORPTION

EFFECT OF PARATHYROID HORMONE ON RENAL TUBULAR FLUID AND GLUCOSE REABSORPTION. Baumann K, Chan YL, Bode F, Papavasiliou F, Wagner M. *Curr Probl Clin Biochem* 4: 223-8, 1975 (Eng) \*DL/76AUG488

## GLUCOSE REGULATION CAPACITY

[EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERCISE. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE] Bunge U, Steinhardt M, Riehm G, Bunge U, Lyhs L. *Arch Exp Veterinaarmed* 29: 631-40, 1975 (Ger) \*DL/76AUG906

## GLUCOSE RELEASE

[A BONE MARROW FACTOR CAUSING HYPERGLYCEMIA AND GLYCOSURIA: RELEASED GLUCOSE COMES FROM GENERAL GLYCOGENOLYSIS, ESPECIALLY IN MUSCLE] Thomas JA. *C R Acad Sci [D] (Paris)* 281: 1995-9, 22 Dec 75 (Fre) DL/76AUG37

## GLUCOSE RESPONSE

A NEW FAT-DEPENDENT TIME-MODIFIED RELATIONSHIP BETWEEN BASAL PLASMA GLUCOSE LEVELS AND THE EARLY GLUCOSE RESPONSE TO ORAL GLUCOSE LOADING IN NORMAL HUMAN SUBJECTS. Trenchard PM. *Clin Chim Acta* 65: 139-42, 15 Nov 75 (Eng) \*DL/76AUG480

## GLUCOSE SYRUP

BLOOD GLUCOSE PROFILES IN MAN AFTER INGESTION OF GLUCOSE SYRUP FRATIONS. Kearsley M, Fairhurst E, Green LF. *Proc Nutr Soc* 34: 60a-61a, Sep 75 (Eng) \*DL/76AUG769

## GLUCOSE TOLERANCE

EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE. Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A. *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23

[NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G Jr *Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112

ALTERATION OF GLUCOSE TOLERANCE BY DIETARY L-TRYPTOPHAN IN RATS. Wittman JS 3d *J Nutr* 106: 631-5, May 76 (Eng) DL/76AUG199

[EFFECT OF CLOFIBRATE ON GLUCOSE TOLERANCE AND INSULIN SECRETION IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA (AUTHORS TRANSL)] Schwandt P, Weisweiler P, Neureuther G, Wilkening J *Munch Med Wochenschr* 118: 351-4, 19 Mar 76 (Ger) DL/76AUG257

GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERM-FREE RATS. Sewell DL, Bruckner-Kardoss E, Lorenz IM, Wostmann BS *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322

EFFECT OF LONG TERM USE OF ORAL CONTRACEPTIVES ON GLUCOSE TOLERANCE. Muck BR *Arch Gynaecol* 220: 185-90, 5 Mar 76 (Eng) DL/76AUG460

#### GLUCOSE TOLERANCE TEST

SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY. Cassar J, Mashiter K, Sullivan G, Joplin GF *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408

#### GLUCOSE TOLERANCE TEST, INTRAVENOUS

RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS. Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensinek JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

#### GLUCOSE TOLERANCE TEST, ORAL

THE USE OF SCREENING AND DIAGNOSTIC PROCEDURES: THE ORAL GLUCOSE TOLERANCE TEST. Prout TE *Med State Med J* 25: 62-5, May 76 (Eng) DL/76AUG225

COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST. Papic Z, Katona G, Crepinko I, Skrabalo Z *Acta Diabetol Lat* 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

SERUM INSULIN VALUES DURING ORAL GLUCOSE TOLERANCE TEST IN VARIOUS AGE GROUPS. Kerpel-Fronius E, Gacs G *Acta Paediatr Acad Sci Hung* 16: 197-202, 1975 (Eng) DL/76AUG413

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBESE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

#### GLUCOSE TRANSPORT

INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA. Harmon JT, Hill R *J Supramol Struct* 4: 233-40, 1976 (Eng) DL/76AUG222

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. II. KINETIC CHARACTERISTICS AND SPECIFICITY OF GLUCOSE TRANSPORT SYSTEM. Panchenko LF, Fedotov NS, Tarshis MA *Folia Microbiol (Praha)* 20: 480-7, 1975 (Eng) \*DL/76AUG513

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. III. EVIDENCE OF ACTIVE NATURE OF GLUCOSE TRANSPORT. Fedotov NS, Panchenko LF, Tarshis MA *Folia Microbiol (Praha)* 20: 488-95, 1975 (Eng) \*DL/76AUG514

GLYCOLYTIC METABOLISM IN CULTURED CELLS OF THE NERVOUS SYSTEM. I. GLUCOSE TRANSPORT AND METABOLISM IN THE C-6 GLIOMA CELL LINE. Lust WD, Schwartz JP, Passonneau JV *Mol Cell Biochem* 8: 169-76, 30 Sep 75 (Eng) \*DL/76AUG749

#### GLUCOSE UPTAKE

[HISTOCHEMICAL STUDY OF MEDIUM-CHAIN, NEUTRAL FAT, GLUCOSE AND IRON UPTAKE IN THE INTESTINAL-TYPE EPITHELIAL CELLS OF THE GASTRIC MUCOSA] Katsu K, Maezawa H, Odakura T *Jpn J Gastroenterol* 72: 838-45, Jul 75 (Jpn) \*DL/76AUG560

UPTAKE OF THE GLUCOSE ANALOGUE 2-DEOXYGLUCOSE BY GERMINATING MITOSPORES OF ALLOMYCES MACROGYNUS. Burke DD *J Bacteriol* 124: 843-8, Nov 75 (Eng) \*DL/76AUG712

#### D-GLUCOSE-2-3H

SOME OBSERVATIONS ON THE USE OF D-GLUCOSE-2-3H AS A TRACER IN TURNOVER STUDIES IN MERINO SHEEP. Van Der Walt JG *Onderstepoort J Vet Res* 42: 63-5, Mar 75 (Eng) \*DL/76AUG755

#### GLUCOSE-6-PHOSPHATASE

MEMBRANE EFFECTS ON HEPATIC MICROSOMAL GLUCOSE-6-PHOSPHATASE. Gratzl M, Hoppe Seylers Z *Physiol Chem* 356: 861-5, Jun 75 (Eng) \*DL/76AUG694

RADIATION EFFECTS ON ALKALINE PHOSPHATASE AND GLUCOSE-6-PHOSPHATASE IN ANATOMICALLY DIFFERENT REGIONS OF MOUSE INTESTINE. Kaur A, Dubey DP, Gupta GS *Strahlentherapie* 150: 427-32, Oct 75 (Eng) \*DL/76AUG855

#### GLUCOSE-INSULIN RATIO

THE GLUCOSE-INSULIN RATIO IN AMNIOTIC FLUID. Newman R, Tuteria G *Obstet Gynecol* 47: 599-601, May 76 (Eng) DL/76AUG279

#### GLUCOSIDASE

THE MEASUREMENT OF GLYCOGEN IN TISSUES BY AMYLO-ALPHA-1,4-ALPHA-1,6-GLUCOSIDASE AFTER THE DESTRUCTION OF PREEXISTING GLUCOSE. Lust WD, Passonneau JV, Crites SK *Anal Biochem* 68: 328-31, Sep 75 (Eng) \*DL/76AUG884

#### GLUCOSIDE

HYPOGLYCAEMIC ACTION OF BENGALENOSIDE, A GLUCOSIDE ISO-

LATED FROM FICUS BENGALENSIS LINN, IN NORMAL AND ALLOXAN DIABETIC RABBITS. Augusti KT *Indian J Physiol Pharmacol* 19: 218-20, Oct-Dec 75 (Eng) DL/76AUG121

#### GLYCEMIA

[GLYCEMIA AND THE LEVELS OF FREE FATTY ACIDS IN SMALL-FOR-DATE BORN INFANTS AFTER MONOSACCHARIDE LOAD. COMMUNICATION I (AUTHORS TRANSL)] Szotowa W, Kantoch Z, Rodkiewicz B, Rola-Janicki A *Probl Med Wieku Rozwoj* 5: 75-81, 1975 (Pol) DL/76AUG316

#### GLYCEMIC

[AN ADVERSE GLYCEMIC EFFECT IN PATIENTS AS A RESULT OF TREATMENT WITH NEUROLEPTICS] Tverdova EB *Zh Nevropatol Psikhiatr* 76: 450-2, 1976 (Rus) DL/76AUG395

#### GLYCERIN

[COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415

#### GLYCEROL

COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA. Bonkowsky HL, Magnusson CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

GLYCEROL AND HYPEROSMOLAR NON-KETOTIC COMA. Oakley DE, Ellis PP *Am J Ophthalmol* 81: 469-72, Apr 76 (Eng) DL/76AUG435

#### GLYCEROLIPID BIOSYNTHESIS

GLYCEROLIPID BIOSYNTHESIS IN ISOLATED RAT INTESTINAL EPITHELIAL CELLS. O'Doherty PJ, Kukis A *Can J Biochem* 53: 1010-9, Sep 75 (Eng) \*DL/76AUG651

PHOSPHATIDYL CHOLINE: DONOR OF 18-CARBON UNSATURATED FATTY ACIDS FOR GLYCEROLIPID BIOSYNTHESIS. Roughan PG *Lipids* 10: 609-14, Oct 75 (Eng) \*DL/76AUG743

#### GLYCINE

GROWTH HORMONE RELEASE BY GLYCINE INJECTED INTRAVENOUSLY IN 22 HEALTHY SEXUALLY IMMATURE CHILDREN. Popa M, Florea I *Biomedicine [Express]* 23: 131-3, 30 Apr 75 (Eng) DL/76AUG6

#### GLYCOGEN

STUDIES ON GLUCONEOGENESIS AND STIMULATION OF GLYCOGEN AND PROTEIN SYNTHESIS IN ISOLATED HEPATOCYTES IN ALLOXAN DIABETIC, NORMAL FED AND FASTED ANIMALS. Wagle SR, Ingebreten WR, Sampson L *Acta Diabetol Lat* 12: 185-98, May-Aug 75 (Eng) DL/76AUG400

[EFFECT OF VEGETABLE POLYPHENOLS ON THE LEVEL OF GLYCOGEN IN THE TISSUES AND GLUCOSE IN THE BLOOD OF STARVING RABBITS] Shamrai EF, Stroeve



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### GLYCOGEN DEPOSIT

- L.M. Shuliakivska TO Ukr Biokhim Zh 47: 107-9, Jan-Feb 75 (Ukr) \*DL/76AUG589
- BLOOD GLUCOSE AND TISSUE GLYCOGEN LEVELS IN TURKEY POULTS WITH SPONTANEOUS ROUND HEART DISEASE AND FURAZOLIDONE-INDUCED CARDIO-MYOPATHY.** Czarniecki CM, Reneau JK, Janus EF *Avian Dis* 19: 773-80, Oct-Dec 75 (Eng) \*DL/76AUG619
- MASKING OF PLEOMORPHIC GLYCOGEN SITES BY METHANOLIC URANYL ACETATE.** Bhatnagar R, Leeson TS *Stain Technol* 50: 213-7, Jul 75 (Eng) \*DL/76AUG853
- EFFECT OF FSH AND LH ON THE GLYCOGEN CONCENTRATION IN TESTES OF INTACT AND HYPOPHYSECTOMIZED RATS.** Leiderman B, Mancini RE *Acta Physiol Lat Am* 24: 305-11, 1974 (Eng) \*DL/76AUG875
- THE MEASUREMENT OF GLYCOGEN IN TISSUES BY AMYLO-ALPHA-1,4-ALPHA-1,6-GLUCOSIDASE AFTER THE DESTRUCTION OF PREEXISTING GLUCOSE.** Lust WD, Passonneau JV, Crites SK *Anal Biochem* 68: 328-31, Sep 75 (Eng) \*DL/76AUG884

### GLYCOGEN DEPOSIT

- INTRAMITOCHONDRIAL GLYCOGEN DEPOSITS IN HYPERTROPHIED HUMAN MYOCARDIUM.** Maron BJ, Ferrans VJ *J Mol Cell Cardiol* 7: 697-702, Sep 75 (Eng) \*DL/76AUG731

### GLYCOGEN METABOLISM

- ENZYMES OF GLYCOGEN METABOLISM AND THEIR CONTROL.** PP. 235-43. Segal HL *Ino Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates.* Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [11] DL/76AUG171
- HEART TRIGLYCERIDE AND GLYCOGEN METABOLISM: EFFECTS OF CATECHOLAMINES, DIBUTYRYL CYCLIC AMP, THEOPHYLLINE, AND FATTY ACIDS.** Crass MF 3rd *Recent Adv Stud Cardiac Struct Metab* 3: 275-90, 1973 (Eng) \*DL/76AUG796
- LIPID AND GLYCOGEN METABOLISM IN THE HYPoxic HEART: EFFECTS OF EPINEPHRINE.** Crass MF 3d, Pieper GM *Am J Physiol* 229: 885-9, Oct 75 (Eng) \*DL/76AUG883
- [HISTOCHEMICAL STUDY OF THE ENZYMES OF GLYCOGEN METABOLISM IN THE HUMAN ENDOMETRIUM DURING THE NORMAL MENSTRUAL CYCLE]** Prishnikov VA *Arkh Anat Gistol Embriol* 68: 63-6, Apr 75 (Rus) \*DL/76AUG907

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- INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOGEN PHOSPHORYLASE.** Rinard GA, Chew CS *Life Sci* 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572
- INACTIVATION OF GLYCOGEN PHOSPHORYLASE OF HUMAN POLYMORPHONUCLEAR LEUKOCYTES.** Rorth S, Wang P, Esmann V *Scand J Clin Lab Invest* 35: 355-61, Jul 75 (Eng) \*DL/76AUG844

### GLYCOGEN SYNTHASE

- RAT ADIPOSE TISSUE GLYCOGEN SYNTHASE. EVIDENCE FOR MULTIPLE DISCRETE KINETIC SPECIES AND THEIR INTERCONVERSION.** Eichner RD *J Biol Chem* 251: 2316-22, 25 Apr 76 (Eng) DL/76AUG132

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- [A BONE MARROW FACTOR CAUSING HYPERGLYCEMIA AND GLYCOSURIA: RELEASED GLUCOSE COMES FROM GENERAL GLYCOGENOLYSIS, ESPECIALLY IN MUSCLE]** Thomas JA *C R Acad Sci [D] (Paris)* 281: 1995-9, 22 Dec 75 (Fre) DL/76AUG37

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- REGULATION OF GLYCOLYSIS IN NEUROSPORA CRASSA. KINETIC PROPERTIES OF PYRUVATE KINASE.** Tsao MU, Madley TI *Microbios* 12: 125-42, 1975 (Eng) \*DL/76AUG746
- [STUDIES ON THE EFFECT OF RADIATION ON ELECTROLYTE CHANGES AND METABOLISM OF THE MYOCARDIUM. V. CHANGES IN ENZYME ACTIVITIES AND GLYCOLYSIS METABOLITES DUE TO RADIATION]** Prignitz R, Hoffmeister N, Hoffmeister G *Strahlentherapie* 149: 621-7, Jun 75 (Ger) \*DL/76AUG854

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- ANAEROBIC GLYCOLYSIS IN NORMAL HUMAN ERYTHROCYTES INCUBATED IN VITRO WITH SODIUM SALICYLATE.** Worathumrong N, Grimes AJ *Clin Sci Mol Med* 49: 375-84, Nov 75 (Eng) \*DL/76AUG482

### GLYCOLYTIC METABOLISM

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- GLYCOLYTIC METABOLISM IN CULTURED CELLS OF THE NERVOUS SYSTEM. I. GLUCOSE TRANSPORT AND METABOLISM IN THE C-6 GLIOMA CELL LINE.** Lust WD, Schwartz JP, Passonneau JV *Mol Cell Biochem* 8: 169-76, 30 Sep 75 (Eng) \*DL/76AUG749

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- GLYCOPROTEIN METABOLISM IN HUMAN RENAL DISEASE: SERUM GLYCOPROTEINS AND GLYCOPROTEIN: GLYCOSYL TRANSFERASE LEVELS IN CHRONIC RENAL FAILURE.** Kirschbaum BB *J Lab Clin Med* 86: 764-71, Nov 75 (Eng) \*DL/76AUG720

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- Seylers Z Physiol Chem* 356: 943-52, Jun 75 (Eng) \*DL/76AUG696

### GLYCOSIDE, CARDIAC

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- CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC ACTION AND BINDING TO AND DISSOCIATION FROM Na<sup>+</sup>-K<sup>+</sup>-ACTIVATED ATPASE IN VITRO.** Akera T, Baskin SI, Tobin T, Brody TM *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG818

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- [A BONE MARROW FACTOR CAUSING HYPERGLYCEMIA AND GLYCOSURIA: RELEASED GLUCOSE COMES FROM GENERAL GLYCOGENOLYSIS, ESPECIALLY IN MUSCLE]** Thomas JA *C R Acad Sci [D] (Paris)* 281: 1995-9, 22 Dec 75 (Fre) DL/76AUG37
- [NORMOGLYCEMIC GLYCOSURIA IN PREGNANT WOMEN. DISCUSSION CONTRIBUTION TO THE ARTICLE OF ASSISTANT PROF. PAV AND SPERL, M.D. TUBULAR EXTRACTION OF GLUCOSE IN PREGNANT WOMEN VNITRNI LEK. 21, 1975, 12, P.1166-9]** Rames I *Vnitri Lek* 22: 401-2, Apr 76 (Cze) DL/76AUG364

### GLYCOSURIA, RENAL

- [RENAL GLYCOSURIA (POSSIBILITY OF RELATION TO DIABETES MELLITUS)]** Rames I, Vankova B *Vnitri Lek* 22: 268-73, Mar 76 (Cze) DL/76AUG361
- [INSULINEMIA IN RENAL GLYCOSURIA]** Polackova H, Knoch J, Prokes J, Svoboda Z, Vseteckova A *Vnitri Lek* 22: 341-4, Apr 76 (Cze) DL/76AUG363
- GLYCOSYL TRANSFER**
- GLYCOSYL TRANSFER TO AN ACCEPTOR LIPID FROM INSECTS.** Quesada Allue LA, Belocicopitow E, Marechal LR *Biochem Biophys Res Commun* 66: 1201-8, 27 Oct 75 (Eng) \*DL/76AUG915

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### GONADAL FUNCTION

- PROLACTIN AND GONADAL FUNCTION.** Besser GM, Thorner MO *Pathol Biol (Paris)* 23: 779-82, Dec 75 (Eng) DL/76AUG281

### GONADOTROPIN

- MECHANISM OF NUCLEOTIDE INHIBITION OF GONADOTROPIN BINDING TO CELL MEMBRANES OF BOVINE CORPUS LUTEUM.** Rao CV *Mol Cell Endocrinol* 3: 255-71, Oct 75 (Eng) \*DL/76AUG507

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- [BRONCHIAL CARCINOMA WITH SECRETION OF ACTH AND HCG (AUTHORS TRANSL.)]** De Leeuw I, van den Bergh O, Abs R *Acta Tuberc Pneumol Belg* 66: 361-7, Jul-Oct 75 (Dut) DL/76AUG423



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**BINDING AND DEGRADATION OF INSULIN BY HUMAN PERIPHERAL GRANULOCYTES. DEMONSTRATION OF SPECIFIC RECEPTORS WITH HIGH AFFINITY.** Fussganger RD, Kahn CR, Roth J, De Meyts P *J Biol Chem* 251: 2761-9, 10 May 76 (Eng) DL/76AUG134

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## GROWTH HORMONE

**CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER.** Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69

**THE EFFECTS OF INSULIN AND GROWTH HORMONE ON THE RELEASE OF SOMATOMEDIN BY THE ISOLATED RAT LIVER.** Daughaday WH, Phillips LS, Mueller MC *Endocrinology* 98: 1214-9, May 76 (Eng) DL/76AUG75

**EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA.** Davidson MB, Fisher MB, Dabir-Vaziri N, Schaffer M *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245

**THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS.** Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

**COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP.** Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415

**EFFECT OF THERMAL STRESS AND DEHYDRATION ON PLASMA LEVELS OF GLUCOSE, FREE FATTY ACIDS AND GROWTH HORMONE IN THE PIGEON.** John TM, McKeown BA, George JC *Arch Int Physiol Biochim* 83: 303-8, May 75 (Eng) \*DL/76AUG615

**EFFECT OF GROWTH HORMONE ON SURFACE CHARGE AND ELECTROPHORETIC MOBILITY OF THYMOCYTES FROM YOUNG AND AGED RATS.** Hanjan SN, Talwar GP *Mol Cell Endocrinol* 3: 185-201, Sep 75 (Eng) \*DL/76AUG687

**EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN.** Lal S, Tolis G, Martin SB, Brown GM, Guyda H *J Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

**GROWTH HORMONE AND CORTISOL SECRETION AFTER ORAL AND INTRAVENOUS ADMINISTRATION OF METHYLDOPA.** Syvalahti E, Seppala PO, Iisalo E *Acta Pharmacol Toxicol (Kbh)* 37: 257-64, Sep 75 (Eng) \*DL/76AUG874

**[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY]** Gonzalez-Barcelona D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

**GROWTH HORMONE LEVELS DURING MORNING AND AFTERNOON NAPS.** Karacan I, Rosenbloom AL, Londono JH, Williams RL, Salis PJ *Behav Neuropsychiatry* 6: 67-70, Apr 74-Mar 75 (Eng) \*DL/76AUG908

## GROWTH HORMONE CONCENTRATION, PLASMA

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## GROWTH HORMONE, HUMAN

**HUMAN GROWTH HORMONE.** Hamilton W *Scott Med J* 20: 197-200, Sep 75 (Eng) DL/76AUG339

**HETEROGENEITY OF HUMAN GROWTH HORMONE AND PROLACTIN SECRETED IN VITRO: IMMUNOASSAY AND RADIORECEPTOR ASSAY CORRELATIONS.** Guyda H *J Clin Endocrinol Metab* 41: 953-67, Nov 75 (Eng) \*DL/76AUG719

## GROWTH HORMONE, PLASMA

**EFFECT OF ALCOHOL ADMINISTRATION ON PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA.** Priem HA, Shanley BC, Malan C *Metabolism* 25: 397-403, Apr 76 (Eng) DL/76AUG242

## GROWTH HORMONE RELEASE

**GROWTH HORMONE RELEASE BY GLYCINE INJECTED INTRAVENOUSLY IN 22 HEALTHY SEXUALLY IMMATURE CHILDREN.** Popa M, Florea I *Biomedicine [Express]* 23: 131-3, 30 Apr 75 (Eng) DL/76AUG66

**INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG.** Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

**GROWTH HORMONE RELEASE IN THE RAT: EFFECTS OF SOMATOSTATIN AND THYROTROPIN-RELEASING FACTOR.** Brown M, Vale W *Endocrinology* 97: 1151-6, Nov 75 (Eng) \*DL/76AUG670

**THE EFFECT OF ALPHA1-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN.** Caccamo A, Garlaschi C, di Natale B, del Guercio MJ, Chiumello G *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705

## GROWTH HORMONE RESPONSE

**GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN.** Fallucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

## GROWTH HORMONE RESPONSE, SERUM

**SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY.** Casar J, Mashiter K, Sullivan G, Joplin GF *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408

## GROWTH HORMONE SECRETION

**STUDY OF GROWTH HORMONE SECRETION IN LUNG CARCINOMA.** Claeys-De Clercq P, Levin S, Borkowski A *Eur J Cancer* 11: 565-9, Aug 75 (Eng) DL/76AUG85

**CHRONOBIOLOGICAL STUDY OF GROWTH HORMONE SECRETION IN MAN: ITS RELATION TO SLEEP-WAKE CYCLES AND TO INCREASING AGE.** PP. 81-7, D'Agata R, Vigneri R, Polosa P, Semcenko EI, Myshkovskii VI, I USON-Stiennon JA, Leclercq G *Int Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.* (Eng) DL/76AUG186

## GROWTH HORMONE, SERUM

**EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY.** Syvalahti E, Lammintausta R, Pekkarinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418

**EFFECT OF ELECTROCONVULSIVE THERAPY WITHOUT ANTICONVULSIVE PREMEDICATION ON SERUM GROWTH HORMONE IN MAN.** Vigas M, Stowasserova N, Nemeth S, Jurcovicova J *Horm Res* 6: 65-70, 1975 (Eng) \*DL/76AUG691

## GUANIDINO

**EFFECTS OF ARGININE HOMOLOGOUS AND OTHER GUANIDINO COMPOUNDS ON THE ATP LEVEL AND GLUCOSE OXIDATION IN ISOLATED FAT CELLS.** Schwegler F, Stock W *Hoppe Seylers Z Physiol Chem* 356: 839-44, Jun 75 (Eng) \*DL/76AUG693

## GUANOSINE TRIPHOSPHATE

**STIMULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) ACTIVITY BY LOW CONCENTRATIONS OF CIRCULATING GLUCOSE IN PERFUSED RAT LIVER.** Moreno FJ, Sanchez-Urrutia L, Medina JM, Sanchez-Medina F, Mayor F *Biochem J* 150: 51-8, Jul 75 (Eng) \*DL/76AUG620

## GUANOSINE-3,5-CYCLICMONOPHOSPHATE

**ROLE OF CYCLIC GMP AS A MEDIATOR OF THE NEGATIVE INOTROPIC EFFECT OF ACETYLCHOLINE IN THE PERFUSED RAT HEART.** George WJ, Kadowitz PJ, Wilkerson RD *Recent Adv Stud Cardiac Struct Metab* 3: 331-9, 1973 (Eng) \*DL/76AUG799

## GUANOSINE-3,5-MONOPHOSPHATE

**CYCLIC GUANOSINE 3:5-MONOPHOSPHATE AND THE REGULATION OF LIPOLYSIS IN RAT FAT CELLS.** Fain JN, Butcher FR *J Cyclic Nucleotide Res* 2: 71-8, 1976 (Eng) DL/76AUG153

## HAEMATOCRIT, JUGULAR

**EFFECTS OF INSULIN HYPOGLYCAEMIA IN THE SHEEP ON JUGULAR HAEMATOCRIT AND PLASMA CORTICOSTEROID CONCENTRATION.**

## Diabetes Literature—Keyword Index

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TRATIONS, Dooley PC, Williams VJ *Aust J Biol Sci* 28: 503-9, Dec 75 (Eng) DL/76AUG466

### HALOGENATED HEXOSAMINE

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl L A, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

### HAMBURG-EPPENDORF

[THE DECENTRALIZED COMPUTER SYSTEM IN THE HAMBURG-EPPENDORF UNIVERSITY HOSPITAL (AUTHORS TRANSL)] Hohnke KH *Munch Med Wochenschr* 117: 1769-74, 31 Oct 75 (Ger) \*DL/76AUG750

### HAMSTER, CHINESE

EXPERIMENTAL PREVENTION OF DIABETES IN PREDIABETICS: STUDIES OF CHINESE HAMSTERS. Gerritsen GC *Compr Ther* 1: 25-9, May 75 (Eng) DL/76AUG53

### HAMSTER, SYRIAN

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA<sup>2+</sup> AND TRANSPORT, AND CA<sup>2+</sup>-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

### HAWAII

EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS. Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

### HEAD INJURY

BIOCHEMICAL AND BIOPHYSICAL CHANGES IN GUINEA PIGS AFTER ACUTE HEAD INJURY. Hausdorfer J, Heller W, Schinkmann I. *Resuscitation* 4: 77-86, 1975 (Eng) \*DL/76AUG586

### HEARING

A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS. Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) \*DL/76AUG412

### HEART

THE STEADY STATE CONCENTRATIONS OF COENZYME A-SH AND COENZYME A THIOESTER, CITRATE, AND ISOCITRATE DURING TRICARBOXYLATE CYCLE OXIDATIONS IN RABBIT HEART MITOCHONDRIA. Hansford RG, Johnson RN *J Biol Chem* 250: 8361-75, 10 Nov 75 (Eng) \*DL/76AUG528

HEART HEXOKINASE: QUATERNARY STRUCTURE CHANGES ACCOMPANYING THE BINDING OF REGULATORY MOLECULES. Easterby JS *Eur J Biochem* 58: 231-5, 1 Oct 75 (Eng) \*DL/76AUG676

EFFECT OF PHYSICAL CONDITIONING UPON METABOLISM AND PERFORMANCE OF THE RAT HEART. Scheuer J, Penpargkul S, Bhan AK *Recent Adv Stud Cardiac Struct Metab* 3: 145-59, 1973 (Eng) \*DL/76AUG789

CARDIAC AND METABOLIC EFFECTS OF DIBUTYRYL CYCLIC AMP IN THE INTACT DOG HEART AND THE ISOLATED PERFUSED RAT HEART. Dhalla NS, Chernecki W, Gandhi SS, McNamara DB, Naimark A *Recent Adv Stud Cardiac Struct Metab* 3: 233-50, 1973 (Eng) \*DL/76AUG793

HEART TRIGLYCERIDE AND GLYCOGEN METABOLISM: EFFECTS OF CATECHOLAMINES, DIBUTYRYL CYCLIC AMP, THEOPHYLLINE, AND FATTY ACIDS. Crass MF 3rd *Recent Adv Stud Cardiac Struct Metab* 3: 275-90, 1973 (Eng) \*DL/76AUG796

REGULATION OF RATE OF LACTATE OXIDATION BY THE HEART. Whereat AF, Orishimo MW *Recent Adv Stud Cardiac Struct Metab* 3: 31-38, 1973 (Eng) \*DL/76AUG798

PROTEIN AND FREE AMINO ACID METABOLISM IN THE FAILING CANINE HEART. Peterson MB, Mead RJ, Welty JD *Recent Adv Stud Cardiac Struct Metab* 3: 615-23, 1973 (Eng) \*DL/76AUG809

SOME PROPERTIES OF PIG HEART MITOCHONDRIAL CREATINE KINASE. Vial C, Gautheron DC *Recent Adv Stud Cardiac Struct Metab* 3: 81-9, 1973 (Eng) \*DL/76AUG815

EFFECTS OF STARVATION ON ISOLATED HEART PERFORMANCE AND MITOCHONDRIAL CALCIUM SEQUESTERING. Eller RR *Recent Adv Stud Cardiac Struct Metab* 4: 347-57, 1974 (Eng) \*DL/76AUG821

MEMBRANE NA<sup>+</sup>-K<sup>+</sup>-ATPASE AND ELECTROMECHANICS OF HUMAN HEART. Prasad K *Recent Adv Stud Cardiac Struct Metab* 4: 91-105, 1974 (Eng) \*DL/76AUG826

CHARACTERIZATION OF SOLUBLE AND MICROSOMAL ADENOSINE 3,5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASES FROM RABBIT HEART. Laria PJ, Zwierling LJ, Morkin E *Recent Adv Stud Cardiac Struct Metab* 5: 133-41, 1975 (Eng) \*DL/76AUG827

ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART. Dhalla NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Cardiac Struct Metab* 5: 177-87, 1975 (Eng) \*DL/76AUG831

THE INFLUENCE OF ROLITETRACYCLINE UPON SOME METABOLIC PARAMETERS OF RABBIT HEART MUSCLE. Belova V, Barnova E, Barna K *Biochem Pharmacol* 24: 1875-7, 15 Oct 75 (Eng) \*DL/76AUG918

### HEART ASSOCIATION, CHICAGO

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker JJ *Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

### HEART CELL

REDUCTION IN MYOCARDIAL INFARCT SIZE: PREVENTION OF HEART CELL DEATH. Kones RJ, Phillips JH *South Med J* 69: 442-8, Apr 76 (Eng) DL/76AUG342

THE ROLE OF MITOCHONDRIA IN THE CONTRACTION-RELAXATION CYCLE AND OTHER CA<sup>2+</sup>-DEPENDENT ACTIVITIES OF HEART CELLS. Carafoli E *Recent Adv Stud*

*Cardiac Struct Metab* 5: 151-63, 1975 (Eng) \*DL/76AUG828

### HEART DISEASE

PREVENTION OF CORONARY HEART DISEASE. Anonymous *Br Med J* 1: 881-2, 10 Apr 76 (Eng) DL/76AUG21

PREVENTION OF CORONARY HEART DISEASE. REPORT OF A JOINT WORKING PARTY OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND THE BRITISH CARDIAC SOCIETY. Anonymous *J R Coll Physicians Lond* 10: 213-75, Apr 76 (Eng) DL/76AUG200

BLOOD GLUCOSE AND TISSUE GLYCOGEN LEVELS IN TURKEY POULTS WITH SPONTANEOUS ROUND HEART DISEASE AND FUZZALIDONE-INDUCED CARDIOMYOPATHY. Czarnecki CM, Reneau JK, Janus EF *Avian Dis* 19: 773-80, Oct-Dec 75 (Eng) \*DL/76AUG619

### HEART DISEASE, ISCHEMIC

[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardioangiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275

SERUM LIPID LEVELS AND THEIR RELATIONSHIP WITH ISCHEMIC HEART DISEASE IN PIGS. Arora RB, Tayal G, Tariq M *Recent Adv Stud Cardiac Struct Metab* 3: 795-803, 1973 (Eng) \*DL/76AUG814

### HEART FAILURE

CONGESTIVE HEART FAILURE: ROLE OF ALTERED MYOCARDIAL CELLULAR CONTROL. Katz AM *N Engl J Med* 293: 1184-91, 4 Dec 75 (Eng) \*DL/76AUG751

### HEART, HYPOXIC

ADENYL CYCLASE ACTIVITY IN THE HYPOXIC HEART. McNamara DB, Sulakhe PV, Singh JN, Dhalla NS *Recent Adv Stud Cardiac Struct Metab* 3: 303-9, 1973 (Eng) \*DL/76AUG797

LIPID AND GLYCOGEN METABOLISM IN THE HYPOXIC HEART: EFFECTS OF EPINEPHRINE. Crass MF 3d, Pieper GM *Am J Physiol* 229: 885-9, Oct 75 (Eng) \*DL/76AUG883

### HEART MITOCHONDRIA

MALATE TRANSPORT INTO HEART MITOCHONDRIA. Digeress SB, Reddy WJ *J Mol Cell Cardiol* 7: 677-84, Sep 75 (Eng) \*DL/76AUG729

RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISOLATED AFTER AORTIC CONSTRICTION, STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT. Wollenberger A, Kleitke B *Recent Adv Stud Cardiac Struct Metab* 3: 535-50, 1973 (Eng) \*DL/76AUG804

### HEART MITOCHONDRIA, ISOLATED

PHOSPHATE AND SUBSTRATE TRANSPORT BY ISOLATED HEART MITOCHONDRIA. Brierley GP, Scott KM, Jurkowitz M, Merola AJ *Recent Adv Stud Cardiac Struct Metab* 4: 245-52, 1974 (Eng) \*DL/76AUG820

CALCIUM UPTAKE AND STORAGE IN ISOLATED HEART MITOCHONDRIA INFLUENCED BY SODIUM AND POTASSIUM

## Diabetes Literature—Keyword Index

IONS. Noack E, Greeff K *Recent Adv Stud Cardiac Struct Metab* 5: 165-70, 1975 (Eng) \*DL/76AUG829

### HEART MUSCLE

THE EFFECTS OF ADP ON REVERSE ELECTRON FLOW AND THE OXYGEN EXCHANGE REACTIONS CATALYZED BY BOVINE HEART MUSCLE SUBMITOCHONDRIAL PARTICLES. Mitchell RA, Russo JA, Lamos CM *J Supramol Struct* 3: 256-60, 1975 (Eng) \*DL/76AUG740

A POSSIBLE EXPLANATION FOR THE PECULIAR CONTRACTILE BEHAVIOR DISPLAYED BY RAT HEART MUSCLE. Nayler WG, Dunnitt J *Recent Adv Stud Cardiac Struct Metab* 5: 171-5, 1975 (Eng) \*DL/76AUG830

### HEART, PERFUSED

ROLE OF CYCLIC GMP AS A MEDIATOR OF THE NEGATIVE INOTROPIC EFFECT OF ACETYLCHOLINE IN THE PERFUSED RAT HEART. George WJ, Kadowitz PJ, Wilkerson RD *Recent Adv Stud Cardiac Struct Metab* 3: 331-9, 1973 (Eng) \*DL/76AUG799

### HEART, PERFUSED ISOLATED

CARDIAC AND METABOLIC EFFECTS OF DIBUTYRYL CYCLIC AMP IN THE INTACT DOG HEART AND THE ISOLATED PERFUSED RAT HEART. Dhalia NS, Chernecki W, Gandhi SS, McNamara DB, Naimark A *Recent Adv Stud Cardiac Struct Metab* 3: 233-50, 1973 (Eng) \*DL/76AUG793

### HEART RATE

EFFECT OF CATECHOLAMINES ON THE METABOLISM OF GLUCOSE, FATTY ACIDS AND ON THE HEART RATE IN GOATS? Bartos S, Dolezal F, Kolbl M *Vet Med (Praha)* 20: 289-301, May 75 (Cze) \*DL/76AUG591

### HEAT

LEG MUSCLE METABOLISM DURING EXERCISE IN THE HEAT AND COLD. Fink WJ, Costill DL, Van Handel PJ *Eur J Appl Physiol* 34: 183-90, 15 Aug 75 (Eng) \*DL/76AUG673

### HEMANGIOPERICYTOMA

ULTRASTRUCTURE OF HEMANGIOPERICYTOMA ASSOCIATED WITH PARANEOPLASTIC HYPOGLYCEMIA. Bommer G, Altenahr E, Kuhnau J Jr, Kloppel G *Z Krebsforsch* 85: 231-41, 19 Mar 76 (Eng) DL/76AUG389

### HEMATOCRIT

THE EFFECT OF ETHYLURETHANE ON HEMATOCRIT, BLOOD PRESSURE AND PLASMA-GLUCOSE. Van Der Meer C, Versluis-Broers JA, Tuynman HA, Buur VA *Arch Int Pharmacodyn Ther* 217: 257-75, Oct 75 (Eng) \*DL/76AUG901

### HEMATOLOGICAL

HEMATOLOGICAL AND BIOCHEMICAL EFFECTS OF CHRONIC CO EXPOSURE ON THE JAPANESE QUAIL. Jaeger JJ, McGrath JJ *Respir Physiol* 24: 365-72, Sep 75 (Eng) \*DL/76AUG839

EARLY ADAPTATION OF PREMATURE INFANTS (HEMATOLOGICAL AND BIOCHEMICAL ASPECTS) Rusu O, Bulat E, Iorgulescu M, Deciu L, Baltac C, Kloss D *Rev Pediatr Obstet Ginecol [Pediatr]* 24: 37-47, Jan-Mar 75 (Rum) \*DL/76AUG840

### HEMIDIAPHRAGM

THE EFFECT OF DIABETES, INSULIN, AND THE REDOX POTENTIAL ON LEUCINE METABOLISM BY ISOLATED RAT HEMIDIAPHRAGM. Buse MG, Herlong HF, Weigand DA *Endocrinology* 98: 1166-75, May 76 (Eng) DL/76AUG74

### HEMODIALYSIS

LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS. Daubresse JC, Lerson G, Planteux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

[ACUTE HEMODIALYSIS IN INTERNAL MEDICINE EMERGENCY THERAPY] Mampel E, Koall W, Ganzert G *Z Gesamte Inn Med* 30: 175-6 contd, 1 Sep 75 (Ger) DL/76AUG383

### HEMODYNAMIC ALTERATION

HEMODYNAMIC AND METABOLIC ALTERATIONS IN PERIPHERAL TISSUE DURING HEMORRHAGIC SHOCK. Shearburn EW 3d, Craig WD, Maitland CL, Howard PL, McCoy S, Drucker WR *Am Surg* 41: 696-703, Nov 75 (Eng) \*DL/76AUG890

### HEMOGLOBIN S

LETTER: OLIGOPEPTIDES AS POTENTIAL ANTIAGGREGATION AGENT FOR PROTEINS: HEMOGLOBIN S GEL AND INSULIN DIMER. Kubota S, Chang CT, Samejima T, Yang JT *J Am Chem Soc* 98: 2677-8, 28 Apr 76 (Eng) DL/76AUG154

### HEMORRHAGE

ROLE OF CORTISOL IN THE RESTITUTION OF BLOOD VOLUME AFTER HEMORRHAGE. Gann DS, Pirkle JC Jr *Am J Surg* 130: 565-9, Nov 75 (Eng) \*DL/76AUG611

### HEMORRHAGIC SHOCK

ADENOSINE 35 MONOPHOSPHATE IN EXPERIMENTAL HEMORRHAGIC SHOCK. PP. 249-50. Rutenburg AM In: Kahn RH, Lands WE, ed. *Prostaglandins and cyclic AMP*. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) DL/76AUG178

HEMODYNAMIC AND METABOLIC ALTERATIONS IN PERIPHERAL TISSUE DURING HEMORRHAGIC SHOCK. Shearburn EW 3d, Craig WD, Maitland CL, Howard PL, McCoy S, Drucker WR *Am Surg* 41: 696-703, Nov 75 (Eng) \*DL/76AUG890

### HEMOSTATIC

EFFECT OF CLOFIBRATE ON PLASMA PROTEINS INCLUDING COMPONENTS OF THE HEMOSTATIC MECHANISM. Cederblad G, Korsan-Bengtson K *Clin Chim Acta* 66: 9-17, 2 Jan 76 (Eng) DL/76AUG41

### HEPATIC

THE ROLE OF CYCLIC AMP AND PROSTAGLANDINS IN HEPATIC AND GASTROINTESTINAL FUNCTIONS. PP. 75-117. Levine RA In: Kahn RH, Lands WE, ed. *Prostaglandins and cyclic AMP*. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) [95] DL/76AUG180

MEMBRANE EFFECTS ON HEPATIC MICROSOMAL GLUCOSE-6-PHOSPHATASE. Gratzl M, Hoppe Seylers Z *Physiol Chem* 356: 861-5, Jun 75 (Eng) \*DL/76AUG694

## HISTIDINE

### HEPATITIS, CHRONIC

INSULIN SECRETION IN PATIENTS WITH CHRONIC HEPATITIS TREATED WITH LIPOSTABIL. Kuska J, Kokot F *Pol Med Sci Hist Bull* 15: 433-8, Jul-Aug 75 (Eng) DL/76AUG305

### HEPATOCELLULAR CARCINOMA

LIPID ACCUMULATION IN A HEPATOCELLULAR CARCINOMA ASSOCIATED WITH HYPOGLYCAEMIA. Chan WC, Ma L *Pathology* 7: 299-305, Oct 75 (Eng) DL/76AUG287

### HEPATOCYTE

STUDIES ON GLUCONEOGENESIS AND STIMULATION OF GLYCOGEN AND PROTEIN SYNTHESIS IN ISOLATED HEPATOCYTES IN ALLOXAN DIABETIC, NORMAL FED AND FASTED ANIMALS. Wagle SR, Ingebretsen WR, Sampson L *Acta Diabetol Lat* 12: 185-98, May-Aug 75 (Eng) DL/76AUG400

### HERPES ZOSTER

SKIN AND DIABETES. II. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH HERPES ZOSTER. Calandra P, Lisi P *Ital Gen Rev Dermatol* 11: 207-13, Sep-Dec 74 (Eng) DL/76AUG128

### HEXOKINASE

PROPERTIES OF HUMAN PLACENTAL HEXOKINASE. Gustke H-H *Enzyme* 20: 292-304, 1975 (Eng) \*DL/76AUG497

HEART HEXOKINASE: QUATERNARY STRUCTURE CHANGES ACCOMPANYING THE BINDING OF REGULATORY MOLECULES. Easterby JS *Eur J Biochem* 58: 231-5, 1 Oct 75 (Eng) \*DL/76AUG676

THE CHARACTERIZATION OF THE HEXOKINASES IN SEVERAL TISSUES OF THE CALF EYE. Chylack LT Jr *Invest Ophthalmol* 14: 854-62, Nov 75 (Eng) \*DL/76AUG704

### HEXOSAMINE

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl LA, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

### HEXOSE MONOPHOSPHATE SHUNT

STIMULATION BY PROPYLTHIOURACIL OF THE HEXOSE MONOPHOSPHATE SHUNT IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES DURING PHAGOCYTOSIS. Tsan MF, McIntyre PA *Br J Haematol* 31: 193-208, Oct 75 (Eng) \*DL/76AUG472

### HISAYAMA POPULATION

EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN. Ueda K, Omac T, Hirota Y, Takeshita M, Hiyoshi Y *J Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

## HISTIDINE

HISTIDINE:PYRUVATE TRANSAMINATION AND PHENYLALANINE:PYRUVATE TRANSAMINATION MAY BE CATALYZED

# HISTOPHYSIOLOGY, ISLET

BY THE SAME ENZYME. Shih JC, Chiu RH, Chan YL *Biochem Biophys Res Commun* 68: 1348-55, 23 Feb 76 (Eng) DL/76AUG468

# HISTOPHYSIOLOGY, ISLET

ISLET HISTOPHYSIOLOGY: EVOLUTIONARY CORRELATIONS. Epplé A, Brinn JE Jr *Gen Comp Endocrinol* 27: 320-49, Nov 75 (Eng) DL/76AUG102

# HORMONAL CONTROL

HORMONAL CONTROL OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY DURING DEVELOPMENT OF THE RAT. Hauser CA, Bailey E *Enzyme* 21: 115-26, 1976 (Eng) DL/76AUG83

HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIBIA MEANS LIVER IN ORGAN CULTURE. Brown D, Fleming N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

HORMONAL CONTROL OF ESOPHAGEAL FUNCTION. Snape WJ Jr, Cohen S *Arch Intern Med* 136: 538-42, May 76 (Eng) DL/76AUG457

# HORMONAL FUNCTION

[HORMONAL FUNCTION OF THE PLACENTA] Dassler CG, Kyank HR Z *Aerzt Fortbild (Jena)* 69: 823-8, 1 Aug 75 (Ger) \*DL/76AUG593

# HORMONAL REGULATION

POLYAMINE TRANSPORT AND METABOLISM IN MOUSE MAMMARY GLAND. GENERAL PROPERTIES AND HORMONAL REGULATION. Kano K, Oka T *J Biol Chem* 251: 2795-800, 10 May 76 (Eng) DL/76AUG135

HORMONAL REGULATION OF ENZYME SYNTHESIS DIFFERENTIATING MAMMALIAN TISSUES. PP. 55-61. Greengard O In *Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [13] DL/76AUG169*

# HORMONAL RESPONSE

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART I. NORMAL SUBJECTS. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197

# HORMONE

THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER. Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION] PP. 99-113. Mouriquand J In *Namer M, Lallanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183*

STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE. PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G In *Namer M, Lallanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184*

[SOMATOSTATIN AND SOMATOMEDINS--NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY] Efendić S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227

SIMPLE MODEL FOR HORMONE-ACTIVATED ADENYLATE CYCLASE SYSTEMS. Hammes GG, Rodbell M *Proc Natl Acad Sci USA* 73: 1189-92, Apr 76 (Eng) DL/76AUG317

THEORETICAL REVIEW: A MODEL OF HORMONES AND AGONISTIC BEHAVIOR. Leshner AI *Physiol Behav* 15: 225-35, Aug 75 (Eng) \*DL/76AUG785

# HORMONE, GASTROINTESTINAL

[GASTROINTESTINAL HORMONES] Feurle GE *Internist (Berlin)* 17: 129-35, Mar 76 (Ger) DL/76AUG124

SECRETIN, CHOLECYSTOKININ AND NEWER GASTROINTESTINAL HORMONES (SECOND OF TWO PARTS). Rayford PL, Miller TA, Thompson JC *N Engl J Med* 294: 1157-63, 20 May 76 (Eng) [113] DL/76AUG261

# HORMONE, HYPOTHALAMIC

[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS] Durand N, Berthezene F, Girod C *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650

# HORMONE INDUCTION

EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES. PP. 129-47. McCarty KS Jr, McCarty YS Sr In *Heat M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1975. (Eng) DL/76AUG164*

# HORMONE, POLYPEPTIDE

[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE] Frowein J, Petersen KG *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES. Roos BA, Deftos LJ, Rorabaugh P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76

UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 125I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

# HORMONE, PROTEIN

[HETEROGENEITY OF PROTEIN HORMONES IN RADIOIMMUNOASSAY] Rosselin G, Bataille D, Laburthe M, Duran-Garcia S *Pathol Biol (Paris)* 23: 793-803, Dec 75 (Fre) DL/76AUG282

# HORMONE RECEPTOR

[ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION] Cresteil T, Counis R, Raulin J *Biochimie* 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4

COOPERATIVE PROPERTIES OF HORMONE RECEPTORS IN CELL MEMBRANES. De Meyts P *J Supramol Struct* 4: 241-58, 1976 (Eng) DL/76AUG223

EDITORIAL: HORMONE RECEPTOR RESEARCH: PROBLEMS AND PROMISES. Fyhrquist F *Scand J Clin Lab Invest* 35: 385-90, Sep 75 (Eng) [27] \*DL/76AUG845

# HORMONE RELEASE

INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG. Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

GROWTH HORMONE RELEASE IN THE RAT: EFFECTS OF SOMATOSTATIN AND THYROTROPIN-RELEASING FACTOR. Brown M, Vale W *Endocrinology* 97: 1151-6, Nov 75 (Eng) \*DL/76AUG670

# HORMONE SECRETION

LETTER: EFFECTS OF EXERTION ON HORMONE SECRETION. Karonen SL, Adlercreutz H, Dessypris A *Br Med J* 4: 102-3, 11 Oct 75 (Eng) \*DL/76AUG645

# HORMONE, SEX

QUANTITATIVE DETERMINATION OF SEX HORMONE-BINDING GLOBULIN CAPACITY IN THE PLASMA OF NORMAL AND DIABETIC PREGNANCIES. De Hertogh R, Thomas K, Vanderheyden I *J Clin Endocrinol Metab* 42: 773-7, Apr 76 (Eng) DL/76AUG147

ACCESSORY REPRODUCTIVE ORGANS IN MAMMALS: CONTROL OF CELL AND TISSUE TRANSPORT BY SEX HORMONES. Spaziani E *Pharmacol Rev* 27: 207-86, Jun 75 (Eng) [566] \*DL/76AUG782

# HORMONE, SOMATOTROPIC

[MECHANISM OF SOMATOTROPIC HORMONE SECRETION AND A TEST FOR ITS EVALUATION] Maleeva A, Milanov S *Vutr Bales* 14: 11-6, 1975 (Bul) DL/76AUG368

TRANSPLANTABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS. Stekar J *Z Krebsforsch* 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390

[LEVEL OF SOMATOTROPIC HORMONES IN THE NEWBORN, THE PARTURIENT AND THE AMNIOTIC FLUID] Balabolkin MI, Ianshyna MN *Pediatr Akush Ginekol* 37-9, Nov-Dec 75 (Ukr) \*DL/76AUG580

# HORMONE, STEROIDAL

IN VITRO INFLUENCE OF STEROIDAL HORMONES ON PROTEIN AND GLUCOSE METABOLISM OF ISOLATED GRANULOMATOUS TISSUE CELLS. Hikawaj I, Nocenti MR *Arch Int Pharmacodyn Ther* 217: 86-96, Sep 75 (Eng) \*DL/76AUG900

# HORMONE, THYROID

LETTER: THYROID HORMONES IN SERIOUS NON-THYROIDAL ILLNESS. Anonymous *Lancet* 1: 1070-1, 15 May 76 (Eng) DL/76AUG234

# HOSPITAL

[EXPERIENCES FROM INTENSIVE MEDICAL CARE AT THE SAHLGRENKA HOSPITAL] Bunkertorp O, Jonsson D, Stakeberg H *Lakartidningen* 73: 1720-2, 28 Apr 76 (Swe) DL/76AUG228

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### HYPERPYREXIA, MALIGNANT

APOPROTEINS FROM FASTING NORMAL AND HYPERLIPEMIC PATIENTS. Fontaine M, Malmendier CL *Clin Chim Acta* 64: 91-3, 1 Oct 75 (Eng) \*DL/76AUG662

### HYPERLIPIDEMIA

[EFFECT OF ALFALFA MEAL ON EXPERIMENTAL HYPERLIPIDEMIA] Yanaura S, Sakamoto M *Folia Pharmacol Jpn* 71: 387-93, Jul 75 (Jpn) \*DL/76AUG511

THE EFFECT OF DIETARY SUCROSE AND DIFFERENT DIETARY FATS ON HYPERLIPIDEMIA AND ATHEROSCLEROSIS IN WHITE LEGHORN COCKERELS (GALLUS DOMESTICUS). Worcester NA, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 82a-83a, Sep 75 (Eng) \*DL/76AUG773

EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS. Nandan R, Fisher JD, Towery EP, Brown DR, Ganote E, Jennings RB *Atherosclerosis* 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924

### HYPERLIPOPROTEINEMIA

[SIGNIFICANCE OF FATTY LIVER AS AN EARLY SYMPTOM OF DIABETES MELLITUS AND HYPERLIPOPROTEINEMIA] Hanefeld M, Haller H, Renger F, Stotzner H *Dtsch Z Verdau Stoffwechsellkr* 34: 299-300, 1974 (Ger) DL/76AUG65

[TREATMENT OF PRIMARY HYPERLIPOPROTEINEMIAS TYPE IV WITH DIFFERENT BIGUANIDES (AUTHORS TRANSL)] Weisweiler P, Schwandt P *Klin Wochenschr* 54: 283-5, 15 Mar 76 (Ger) DL/76AUG216

### HYPEROSMOLAR COMA

[HYPEROSMOLAR COMA] Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 395-404, 26 Mar 76 (Ger) DL/76AUG258

### HYPEROSMOLAR NONKETOTIC COMA

GLYCEROL AND HYPEROSMOLAR NONKETOTIC COMA. Oakley DE, Ellis PP *Am J Ophthalmol* 81: 469-72, Apr 76 (Eng) DL/76AUG435

### HYPEROSMOTIC DIABETIC COMA

[HYPEROSMOTIC DIABETIC COMA FOLLOWING MYOCARDIAL INFARCTION] Wojtasik W *Wiad Lek* 29: 621-3, 1 Apr 76 (Pol) DL/76AUG374

### HYPERPHAGIA

GLUCOPRIVIC (2DG) EATING IN RATS DESPITE KNIFE CUT INDUCED HYPERPHAGIA Houtp KA, Gold RM *Pharmacol Biochem Behav* 3: 583-8, Jul-Aug 75 (Eng) \*DL/76AUG781

### HYPERPLASIA

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

### HYPERPYREXIA, MALIGNANT

[A FURTHER CASE OF MALIGNANT HYPERPYREXIA AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IMPROVERATRIL) (AUTHORS TRANSL)] Csongradi A, Bake I, Pfander C, Tar-

### HYPERCELLULARITY

SURGICAL REDUCTION OF ADIPOSE TISSUE HYPERCELLULARITY IN MAN. Kral JG *Scand J Plast Reconstr Surg* 9: 140-3, 1975 (Eng) \*DL/76AUG847

### HYPERGLYCEMIA

[A BONE MARROW FACTOR CAUSING HYPERGLYCEMIA AND GLYCOSURIA: RELEASED GLUCOSE COMES FROM GENERAL GLYCOGENOLYSIS, ESPECIALLY IN MUSCLE] Thomas JA *C R Acad Sci [D]* (Paris) 281: 1995-9, 22 Dec 75 (Fre) DL/76AUG37

[HYPOGLYCEMIA. PART 4. GENERAL CAUSES, PHYSIOLOGICAL NEWBORN HYPERGLYCEMIA, HYPERGLYCEMIA IN VARIOUS ILLNESSES, METABOLIC DEFICIENCY, AND METABOLIC ERROR] Forster H *Fortschr Med* 94: 332-8, 19 Feb 76 (Ger) DL/76AUG109

### HYPERGLYCEMIA, INDUCED

[MACROLID ANTIBIOTICS AND ADRENALIN-INDUCED HYPERGLYCEMIA] Hugues FC, Julien D *Therapie* 30: 455-7, May-Jun 75 (Fre) DL/76AUG352

COUNTERACTION OF GLUCOCORTICOID-INDUCED HYPERGLYCEMIA BY HYPOGLYCEMIA. Kean EA, Walters P *West Indian Med J* 24: 206-9, Dec 75 (Eng) DL/76AUG372

### HYPERGLYCEMIC CURVE

[DIAGNOSTIC SIGNIFICANCE OF HYPERGLYCEMIC CURVES IN ATHEROSCLEROTIC PSYCHOSIS] Aminov KhA *Lab Delo* 443-4, 1975 (Rus) DL/76AUG219

### HYPERINSULINEMIA

DOES HYPERINSULINEMIA IN OB/OB MICE CAUSE AN INSULIN-STIMULATED ADIPOSE TISSUE Loten EG, Le Marchand Y, Assimacopoulos-Jeannet F, Denton RM, Jeannenud B *Am J Physiol* 230: 602-7, Mar 76 (Eng) DL/76AUG437

### HYPERINSULINISM

[HYPERINSULINISM. NEUROLOGICAL AND PSYCHIATRIC ASPECTS (AUTHORS TRANSL)] Matz D, Enders P, Baumeister G *J Neurol* 212: 177-82, 23 Apr 76 (Ger) DL/76AUG198

[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERINSULINISM AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS] Rusconi C, Cicogna R, Orlando G, Guerra U, Peroni A *Minerva Cardioangiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

### HYPERLIPIDEMIA

[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERINSULINISM AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS] Rusconi C, Cicogna R, Orlando G, Guerra U, Peroni A *Minerva Cardioangiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

[SCREENING FOR HYPERLIPIDEMIA IN YOUNG ADULTS] Fromantin M, Freyria J, Drieu M, Bon R *Nouv Presse Med* 5: 851-2, 27 Mar 76 (Fre) DL/76AUG295

### HYPERLIPEMIC PATIENT

CARBOHYDRATE CONTENT OF HUMAN VLDL, IDL, LDL, AND HDL PLASMA

HOSPITAL HINES, ILLINOIS. Anonymous *Postgrad Med* 59: 221-3, 225, Mar 76 (Eng) DL/76AUG306

[NUTRITION OF THE DIABETIC CHILD IN THE HOSPITAL AND AT HOME] Cotenescu A *Viata Med [Medii Sanit]* 23: 4, Apr 75 (Rum) DL/76AUG359

[THE DECENTRALIZED COMPUTER SYSTEM IN THE HAMBURG-EPPENDORF UNIVERSITY HOSPITAL (AUTHORS TRANSL)] Hohne KH *Munch Med Wochenschr* 117: 1769-74, 31 Oct 75 (Ger) \*DL/76AUG750

### HYALINOSIS

[VASCULAR HYALINOSIS IN DIABETIC MICROANGIOPATHY] Saltykov BB, Malkina LA *Arkh Patol* 37: 38-44, 1975 (Rus) DL/76AUG463

### HYALURONIDASE

HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS. Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

### HYDROLYSIS

HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA. Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG813

### 3-HYDROXYBUTYRATE

DETERMINATION OF D-3-HYDROXYBUTYRATE DEHYDROGENASE IN MOUSE PANCREATIC ISLETS WITH A PHOTOKINETIC TECHNIQUE USING BACTERIAL LUCIFERASE. Berne C *Enzyme* 21: 127-36, 1976 (Eng) DL/76AUG84

### 6-HYDROXYDOPAMINE

[EFFECT OF ACUTE COLD EXPOSURE ON BLOOD COMPOSITION IN RATS TREATED WITH 6-HYDROXYDOPAMINE (AUTHORS TRANSL)] Honma K, Fukushima N, Maekubo H, Itoh S *Hokkaido J Med Sci* 50: 299-303, May 75 (Jpn) \*DL/76AUG517

### HYDROXYL RADICAL

ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE. Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

### HYMENOPTERA TISSUE

THE PRESENCE OF INSULIN IN AND SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS. Ishay J, Gitter S, Galun R, Doron M, Laron Z *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58

### HYPERALIMENTATION, PARENTERAL

ADVANTAGES AND DISADVANTAGES OF PARENTERAL HYPERALIMENTATION. PP. 130-6. Goshcke H, Leutenegger A *Ino Ahnfeldt FW*, et al., ed. *Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [21] DL/76AUG155



## Diabetes Literature—Keyword Index

### HYPERTENSION

mann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446

### HYPERTENSION

THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE. Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202

DETECTION AND CHARACTERIZATION OF MIDDLE-AGED MEN WITH HYPERTENSION. Hedstrand H, Aberg H *Acta Med Scand* 199: 273-80, 1976 (Eng) DL/76AUG419

### HYPERTENSIVE

ANIMAL MODEL: OBESE HYPERTENSIVE RAT. Kolesky S *Am J Pathol* 81: 463-6, Nov 75 (Eng) \*DL/76AUG881

### HYPERTHYROIDISM

[CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavagnini F, Peracchi M, Panerai AE, Pinto M *Quad Scavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328

### HYPERTONUS

[TREATMENT OF HYPERTONUS IN DIABETES MELLITUS] Wedler B, Wustenberg PW, Naumann G *Z Gesamte Inn Med* 30: 437-42, 1 Jul 75 (Ger) DL/76AUG380

### HYPERTRIGLYCERIDEMIA

INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET. Ginsberg H, Olefsky JM, Kimminger G, Crapo P, Reaven GM *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145

[EFFECT OF CLOFIBRATE ON GLUCOSE TOLERANCE AND INSULIN SECRETION IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA (AUTHORS TRANSL.) Schwandt P, Weisweiler P, Neureuther G, Wilkening J *Munch Med Wochenschr* 118: 351-4, 19 Mar 76 (Ger) DL/76AUG257

INHIBITION OF LIPOPROTEIN LIPASE BY UREMIC PLASMA, A POSSIBLE CAUSE OF HYPERTRIGLYCERIDEMIA. Murase T, Catran DC, Rubenstein B, Steiner G *Metabolism* 24: 1279-86, Nov 75 (Eng) \*DL/76AUG745

A COMPARISON OF THE EFFECTS OF AN ORAL FRUCTOSE LOAD IN HYPERTRIGLYCERIDAEMIC AND NORMOLIPIDAEMIC MEN. MacRae AR, MacDonald I *Proc Nutr Soc* 34: 54a-55a, Sep 75 (Eng) \*DL/76AUG767

### HYPURICEMIA, FRUCTOSE-INDUCED

FRUCTOSE-INDUCED HYPURICEMIA: OBSERVATIONS IN NORMAL CHILDREN AND IN PATIENTS WITH HEREDITARY FRUCTOSE INTOLERANCE AND GALACTOSEMIA. Kogut MD, Roc TF, Ng W, Nonnel GN *Pediatr Res* 9: 774-8, Oct 75 (Eng) \*DL/76AUG757

### HYPOGLYCEMIA

HYPOGLYCEMIA IN CHILDREN UNDERGOING ADENOTONSILLECTOMY. Kelnar CJ *Br Med J* 751-2, 27 Mar 76 (Eng) DL/76AUG16

[HYPOGLYCEMIA, PART 4. GENERAL CAUSES, PHYSIOLOGICAL NEWBORN HYPERTHYROIDISM, HYPERTHYROIDISM IN VARIOUS ILLNESSES, METABOLIC DEFICIENCY, AND METABOLIC ERROR] Forster H *Fortschr Med* 94: 332-8, 19 Feb 76 (Ger) DL/76AUG109

HYPOGLYCAEMIC EFFECTS OF UNION, ALLIUM CEPA LINN. ON DIABETES MELLITUS - A PRELIMINARY REPORT. Mathew PT, Augusti KT *Indian J Physiol Pharmacol* 19: 213-7, Oct-Dec 75 (Eng) DL/76AUG120

[COMA HYPOGLYCAEMICUM POSTALCOHOLICUM] Andrejevic B *Lijec Vjesn* 97: 575-7, Nov 75 (Cro) DL/76AUG236

LIPID ACCUMULATION IN A HEPATOCELLULAR CARCINOMA ASSOCIATED WITH HYPOGLYCAEMIA. Chan WC, Ma L *Pathology* 7: 299-305, Oct 75 (Eng) DL/76AUG287

[HYPOGLYCEMIA AS A CAUSE OF BRAIN CHANGES] Rossi F *Pediatrics (Napoli)* 83: 424-33, 30 Sep 75 (Ita) DL/76AUG292

[LETTER: HYPOGLYCEMIA DURING BETA BLOCKING TREATMENT] Certin M, Wechsler B, Blety O, Godeau P *Nouv Presse Med* 5: 862, 27 Mar 76 (Fre) DL/76AUG296

FASTING HYPOGLYCEMIA. A CLINICOPATHOLOGIC CONFERENCE FROM VETERANS ADMINISTRATION HOSPITAL, HINES, ILLINOIS. Anonymous *Postgrad Med* 59: 221-3, 225, Mar 76 (Eng) DL/76AUG306

ULTRASTRUCTURE OF HEMANGIOEPITHELIOMA ASSOCIATED WITH PARANEOPlastic HYPOGLYCEMIA. Bommer G, Altenahr E, Kuhnau J Jr, Kloppel G *Z Krebsforsch* 85: 231-41, 19 Mar 76 (Eng) DL/76AUG389

INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG. Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

DIRECT NEURAL INHIBITION OF INSULIN SECRETION IN RESPONSE TO SYSTEMIC HYPOGLYCEMIA. Miller RE, Waid TH, Joyce MP *Am J Physiol* 230: 1090-4, Apr 76 (Eng) DL/76AUG439

### HYPOGLYCEMIA, INSULIN

EFFECT OF ALCOHOL ADMINISTRATION ON PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA. Priem HA, Shanley BC, Malan C *Metabolism* 25: 397-403, Apr 76 (Eng) DL/76AUG242

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH HYPOGLYCEMIA PROVOKED BY INSULIN] Kolebinov NK, Ankov VK, Pavlov DN *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSO-ADRENAL SYSTEM IN OBESITY] Dobrev D, Pavlov D, Stoilov L *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

### HYPOGLYCEMIC

HYPOGLYCAEMIC ACTION OF BENGALANOSIDE, A GLUCOSIDE ISOLATED FROM FICUS BENGALENSIS LINN. IN NORMAL AND ALLOXAN DIABETIC RABBITS. Augusti KT *Indian J Physiol Pharmacol* 19: 218-20, Oct-Dec 75 (Eng) DL/76AUG121

POTENTIATION OF HYPOGLYCEMIC RESPONSE TO INTRAVENOUS TOLBUTAMIDE BY CLOFIBRATE. Ferrari C, Frezzati S, Testori GP, Bertazzoni A *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG265

### HYPOGLYCIN

COUNTERACTION OF GLUCOCORTICOID-INDUCED HYPERGLYCAEMIA BY HYPOGLYCIN. Kean EA, Walters P *West Indian Med J* 24: 206-9, Dec 75 (Eng) DL/76AUG372

### HYPOMAGNESEMIA

[CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA] Hadlich M, Kolb E *Arch Exp Veterinaarmed* 29: 379-95, Jun 75 (Ger) \*DL/76AUG904

### HYPONATREMIA

LETTER: AETIOLOGY OF HYPONATREMIA. Phillips PJ, Pain RW *Med J Aust* 1: 132, 31 Jan 76 (Eng) DL/76AUG251

[HYPONATREMIA, HYPOSMOLARITY AND WATER INTOXICATION] Truniger B *Med Klin* 70: 1071-9, 20 Jun 75 (Ger) [30] DL/76AUG252

SEVERE HYPONATRAEMIA IN DIABETIC PATIENTS TREATED WITH CHLORPROPAMIDE OR PHENFORMINE. de Troyer A, Devis G, Demanet JC *Acta Clin Belg* 30: 108-14, 1975 (Eng) DL/76AUG398

### HYPOSMOLARITY

[HYPONATREMIA, HYPOSMOLARITY AND WATER INTOXICATION] Truniger B *Med Klin* 70: 1071-9, 20 Jun 75 (Ger) [30] DL/76AUG252

### HYPOPHOSPHATEMIA

[INFLUENCE OF HYPOPHOSPHATEMIA ON ERYTHROCYTE METABOLISM IN DIABETIC KETO-ACIDOSIS] Lyonais J, Card RT, Brain MC *Union Med Can* 104: 560-4, Apr 75 (Fre) DL/76AUG354

### HYPOPHYSECTOMY

PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANSLOCATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY. Haeflner EW, Privett OS *Hoppe Seylers Z Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692

### HYPOPHYSIS

[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS] Durand N, Berthezene F, Girod C *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650

THE RATES OF TISSUE PROTEIN SYNTHESIS IN VIVO IN HYPOPHYSECTOMIZED AND PAIR-FED CONTROL RATS. Millward DJ, Nnanyelugo DO, Chatterjee AK *Proc Nutr Soc* 34: 95a-96a, Sep 75 (Eng) \*DL/76AUG776

EFFECT OF FSH AND LH ON THE GLYCOGEN CONCENTRATION IN TESTIS OF INTACT AND HYPOPHYSECTOMIZED RATS. Leiderman B, Mancini RE *Acta Physiol Lat Am* 24: 305-11, 1974 (Eng) \*DL/76AUG875

## Diabetes Literature—Keyword Index

### HYPOPITUITARY

LETTER: RECOVERABLE ORGANIC PSYCHOSIS AFTER HYPOPITUITARY COMA. Cohen SI *Br Med J* 1: 831, 3 Apr 76 (Eng) DL/76AUG18

### HYPOTENSION, POSTURAL

THERAPEUTIC EXPERIENCE WITH FLUDROCORTISONE IN DIABETIC POSTURAL HYPOTENSION. Campbell IW, Ewing DJ, Clarke BF *Br Med J* 1: 872-4, 10 Apr 76 (Eng) DL/76AUG19

### HYPOTHALAMIC HORMONE

[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS] Durand N, Berthezene F, Girod C *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650

### HYPOTHALAMIC LESION

SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES. Bernardis LL, Goldman JK, Chlouverakis C, Frohman LA *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205

### HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

### HYPOTHALAMO-HYPOPHYSO-ADRENAL SYSTEM

[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSO-ADRENAL SYSTEM IN OBESITY] Dobrev D, Pavlov D, Stoilov L *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

### HYPOTHALAMO-PANCREATIC AXIS

THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

### HYPOTHALAMUS

[INSULIN CONTENT OF RAT BLOOD FOLLOWING INJURY TO THE VENTROMEDIAL SECTION OF THE HYPOTHALAMUS] Goldberg RS, Kasarkin IuN, Lazaris Ial, Smirnova LK *Bull Eksp Biol Med* 79: 40-3, Jun 75 (Rus) DL/76AUG9

DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS. Ramirez VD, Gautron JP, Epelbaum J, Pattou E, Zamora A, Kordon C *Mol Cell Endocrinol* 3: 339-50, Nov 75 (Eng) \*DL/76AUG508

IMMUNOCYTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN CELL BODIES OF THE RAT HYPOTHALAMUS. Elde RP, Parsons JA *Am J Anat* 144: 541-8, Dec 75 (Eng) \*DL/76AUG605

### HYPOXIA

EFFECTS OF HYPOXIA OF 10-45 SECONDS DURATION ON ENERGY METABOLISM IN THE CEREBRAL CORTEX OF UNANESTHETIZED AND ANESTHETIZED RATS. Norberg K, Quistorff B, Siesjo BK *Acta Physiol Scand* 95: 301-10, NOV 75 (Eng) \*DL/76AUG876

### ICHTHYOSIS, X-LINKED

X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGONADISM AND MENTAL RETARDATION IN TWO SIBLINGS. Abe K, Matsuda I, Matsuura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

### ILEAL BYPASS

FATTY ACID PATTERNS OF SERUM TRIGLYCERIDES AND SUBCUTANEOUS ADIPOSE TISSUES AFTER ILEAL BYPASS IN OBESITY. Kallner A, Hallberg D, Backman L *Scand J Gastroenterol* 10: 763-7, 1975 (Eng) \*DL/76AUG846

### ILEUM

D-GALACTOSE ACCUMULATION IN RABBIT ILEUM. EFFECTS OF THEOPHYLLINE ON SEROSAL PERMEABILITY. Holman GD, Nafatalin RJ *Biochim Biophys Acta* 406: 386-401, 17 Oct 75 (Eng) \*DL/76AUG630

### ILLINOIS

FASTING HYPOGLYCEMIA. A CLINICOPATHOLOGIC CONFERENCE FROM VETERANS ADMINISTRATION HOSPITAL HINES, ILLINOIS. Anonymous *Postgrad Med* 59: 221-3, 225, Mar 76 (Eng) DL/76AUG306

### ILLNESS

LETTER: THYROID HORMONES IN SERIOUS NON-THYROIDAL ILLNESS. Anonymous *Lancet* 1: 1070-1, 15 May 76 (Eng) DL/76AUG234

A GUIDE FOR PATIENTS: THE CARE OF DIABETES DURING ILLNESS. West TE *Nurs Mirror* 142: 53-4, 22 Apr 76 (Eng) DL/76AUG301

### IMMUNE RESPONSE

[CELL-MEDIATED IMMUNE RESPONSE IN JUVENILE DIABETES] Karmazin L, Amoro I *Acta Paediatr Acad Sci Hung* 16: 317-26, 1975 (Ger) DL/76AUG417

### IMMUNOASSAY

HETEROGENEITY OF HUMAN GROWTH HORMONE AND PROLACTIN SECRETED IN VITRO: IMMUNOASSAY AND RADIORECEPTOR ASSAY CORRELATIONS. Guyda HJ *J Clin Endocrinol Metab* 41: 953-67, Nov 75 (Eng) \*DL/76AUG719

### INCUBATED

INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLO-AMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS. Joost HG, Beckmann J, Lenzen S, Haselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407

ANAEROBIC GLYCOLYSIS IN NORMAL HUMAN ERYTHROCYTES INCUBATED IN VITRO WITH SODIUM SALICYLATE.

## INFARCTION, MYOCARDIAL

Worathumrong N, Grimes AJ *Clin Sci Mol Med* 49: 375-84, Nov 75 (Eng) \*DL/76AUG482

### INDUSTRY

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

### INFANCY

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

### INFANT

[GLYCEMIA AND THE LEVELS OF FREE FATTY ACIDS IN SMALL-FOR-DATE BORN INFANTS AFTER MONOSACCHARIDE LOAD. COMMUNICATION I (AUTHORS TRANSL)] Szotowa W, Kantoch Z, Rodkiewicz B, Rola-Janicki A *Probl Med Wieku Rozwoj* 5: 75-81, 1975 (Pol) DL/76AUG316

TOTAL PARENTERAL NUTRITION IN INFANTS AND CHILDREN: CENTRAL AND PERIPHERAL APPROACHES. Filler RM, Coran AG *Surg Clin North Am* 56: 395-412, Apr 76 (Eng) DL/76AUG346

### INFANT, PREMATURE

[EARLY ADAPTATION OF PREMATURE INFANTS (HEMATOLOGICAL AND BIOCHEMICAL ASPECTS)] Rusu O, Bulat E, Iorgulescu M, Deciu L, Baltac C, Kloss D *Rev Pediatr Obstet Ginecol [Pediatr]* 24: 37-47, Jan-Mar 75 (Rum) \*DL/76AUG840

### INFARCT GENESIS

EXPERIMENTS ON INFARCT GENESIS CAUSED BY BLOCKAGE OF CARBOHYDRATE METABOLISM IN GUINEA PIG PLACENTAE. Kaufmann P, Virchow Arch [Pathol Anat] 368: 11-21, 7 Oct 75 (Eng) \*DL/76AUG858

## INFARCTION, MYOCARDIAL

[IMMUNOREACTIVE INSULIN IN OBESE PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL)] Karlíček V, Topolčan O, Chudáček Z *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29

MYOCARDIAL INFARCTION AND ESTROGEN THERAPY IN POST-MENOPAUSAL WOMEN. Rosenberg L, Armstrong B, Phil D, Jick H *N Engl J Med* 294: 1256-9, 3 Jun 76 (Eng) DL/76AUG267

[REGISTRATION OF CASES OF MYOCARDIAL INFARCT IN WARSAW AND LUBLIN. PREVIOUS MEDICAL HISTORY] Zespolowa P *Pol Tyg Lek* 31: 393-7, 8 Mar 76 (Pol) DL/76AUG302

REDUCTION IN MYOCARDIAL INFARCT SIZE: PREVENTION OF HEART CELL DEATH. Kones RJ, Phillips JH *South Med J* 69: 442-8, Apr 76 (Eng) DL/76AUG342

[HYPEROSMOTIC DIABETIC COMA FOLLOWING MYOCARDIAL INFARCTION] Wojtasek

## Diabetes Literature—Keyword Index

### INFECTION

W *Wiad Lek* 29: 621-3, 1 Apr 76 (Pol)  
DL/76AUG374

SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION. Thorogood M, Mann JI *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774

### INFECTION

[INFECTION AND AUTOIMMUNE REACTION AS CAUSATIVE FACTORS OF DIABETES] Nikkila E *Duodecim* 91: 1511-4, 1975 (Fin)  
DL/76AUG64

### INFECTION, STAPHYLOCOCCAL

A STUDY OF SUBCUTANEOUS STAPHYLOCOCCAL INFECTION IN ALLOXAN DIABETIC MICE. Sood U, Agarwal DS, Aurora AL *Indian J Med Res* 63: 1564-76, Nov 75 (Eng) DL/76AUG118

### INFECTION, VIRAL

AUTOIMMUNITY AND VIRAL INFECTION IN DIABETES MELLITUS. Richens ER, Ancil RJ *Clin Exp Immunol* 23: 40-6, Jan 76 (Eng)  
DL/76AUG45

### INFUSION

EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT. Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240

DRINKING AND FEEDING INDUCED BY JUGULAR AND PORTAL INFUSIONS OF 2-DEOXY-D-GLUCOSE. Russell PJ, Mogenson GJ *Am J Physiol* 229: 1014-8, Oct 75 (Eng)  
\*DL/76AUG882

### INFUSION, INTRAVENOUS

[CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA] Hadlich M, Kolb E *Arch Exp Veterinarmed* 29: 379-95, Jun 75 (Ger) \*DL/76AUG904

### INGESTION

[LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN] Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre)  
DL/76AUG298

EFFECTS OF OBESITY AND SET POINT ON TASTE RESPONSIVENESS AND INGESTION IN HUMANS. Rodin J *J Comp Physiol Psychol* 89: 1003-9, Nov 75 (Eng) \*DL/76AUG544

VARIATIONS IN THE COMPOSITION OF BLOOD AND URINE FOLLOWING THE INGESTION OF A HIGH-PROTEIN DIET. Heeley DM, Sharman IM, Cooper DF *Proc Nutr Soc* 34: 69a, Sep 75 (Eng) \*DL/76AUG771

### INGESTION, GLUCOSE

BLOOD GLUCOSE PROFILES IN MAN AFTER INGESTION OF GLUCOSE SYRUP FRACCTIONS. Kearsley M, Fairhurst E, Green LF *Proc Nutr Soc* 34: 60a-61a, Sep 75 (Eng)  
\*DL/76AUG769

### INHIBITING HORMONE, PITUITARY

[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY] Gonzalez-Barcena D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

### INJECTION SITE

[TISSUE EXCISION AT THE INJECTION SITE AS A POSSIBLE EMERGENCY THERAPY IN SUICIDE USING DEPOT-INSULIN] Guderjahn R *Med Welt* 27: 538-9, 12 Mar 76 (Ger)  
DL/76AUG239

### INJURY

[INSULIN CONTENT OF RAT BLOOD FOLLOWING INJURY TO THE VENTROMEDIAL SECTION OF THE HYPOTHALAMUS] Goldberg RS, Kasatkin IuN, Lazaris Ial, Smirnova LK *Bull Eksp Biol Med* 79: 40-3, Jun 75 (Rus)  
DL/76AUG9

### INNERVATION

ABNORMALITIES OF BLADDER INNERVATION IN DIABETES MELLITUS. Andersen JT, Bradley WE *Urology* 7: 442-8, Apr 76 (Eng)  
DL/76AUG356

### INTROPIC

INTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM. Hildner FJ, Yeh BK, Javier RP, Fester A, Samet P *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31

ROLE OF CYCLIC GMP AS A MEDIATOR OF THE NEGATIVE INTROPIC EFFECT OF ACETYLCHOLINE IN THE PERFUSED RAT HEART. George WJ, Kadowitz PJ, Wilkerson RD *Recent Adv Stud Cardiac Struct Metab* 3: 331-9, 1973 (Eng) \*DL/76AUG799

ROLE OF NA<sup>+</sup>-K<sup>+</sup>-ACTIVATED ADENOSINE TRIPHOSPHATASE IN THE TRANSMEMBRANE TRANSPORT OF K<sup>+</sup> AND NA<sup>+</sup>: RELATIONSHIPS TO THE INTROPIC AND ELECTROPHYSIOLOGIC EFFECTS OF DIGITALIS. Ten Eick RE, Bassett AL, Okita GT *Recent Adv Stud Cardiac Struct Metab* 4: 107-17, 1974 (Eng) \*DL/76AUG816

CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INTROPIC ACTION AND BINDING TO AND DISSOCIATION FROM NA<sup>+</sup>-K<sup>+</sup>-ACTIVATED ATPASE IN VITRO. Akera T, Baskin SI, Tobin T, Brody TM *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG818

### INSECT

GLYCOSYL TRANSFER TO AN ACCEPTOR LIPID FROM INSECTS. Quesada Allue LA, Belocipitow E, Marechal LR *Biochem Biophys Res Commun* 66: 1201-8, 27 Oct 75 (Eng)  
\*DL/76AUG915

### INSULIN

THE PRESENCE OF INSULIN IN AND SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS. Ishay J, Gitter S, Galun R, Doron M, Laron Z *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58

THE EFFECT OF DIABETES, INSULIN, AND THE REDOX POTENTIAL ON LEUCINE METABOLISM BY ISOLATED RAT HEMIDIAPHRAGM. Buse MG, Herlong HF,

Weigand DA *Endocrinology* 98: 1166-75, May 76 (Eng) DL/76AUG74

THE EFFECTS OF INSULIN AND GROWTH HORMONE ON THE RELEASE OF SOMATOMEDIN BY THE ISOLATED RAT LIVER. Daughaday WH, Phillips LS, Mueller MC *Endocrinology* 98: 1214-9, May 76 (Eng)  
DL/76AUG75

[RADIOIMMUNOLOGICAL DETERMINATIONS OF INSULIN IN SMALL SERUM SAMPLES USING WICK-CHROMATOGRAPHY] Ulrich E, Schneyer U, Hadecke J *Endokrinologie* 63: 364-7, 1974 (Ger) DL/76AUG79

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. IV. INFLUENCE OF INSULIN AND EPINEPHRINE ON LIPOGENESIS FROM (14C)-U-GLUCOSE. Somer JB, Schwartz CJ *Exp Mol Pathol* 24: 129-41, Apr 76 (Eng) DL/76AUG88

PENETRATION OF TARGET AREAS IN THE RAT BY LIPOSONE-ASSOCIATED BLEOMYCIN, GLUCOSE OXIDASE AND INSULIN. Dapergol G, Neerunjun ED, Gregoriadis G *FEBS Lett* 63: 235-9, 1 Apr 76 (Eng)  
DL/76AUG91

EFFECTS OF INSULIN-FREE PLASMA ON THE CHARCOAL-SEPARATION METHOD FOR RADIOIMMUNOASSAY OF INSULIN. Frayn KN *Horm Metab Res* 8: 102-5, Mar 76 (Eng)  
DL/76AUG110

[INSULIN AND ITS PHYSIOLOGICAL EFFECTS] Bories H *Infirm Fr* 21-4, Mar 76 (Fre)  
DL/76AUG122

ELECTRON MICROSCOPY OF CULTURED MAMMALIAN LENSES. II. CHANGES PRECEDING AND ACCOMPANYING INSULIN-INDUCED MITOSIS. Reddan JR, Unakar NJ *Invest Ophthalmol* 15: 411-7, May 76 (Eng)  
DL/76AUG125

CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH. Costin G, Kogut MD, Phillips LS, Daughaday WH *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG142

RADIORECEPTOR ASSAY FOR INSULIN. Suzuki K, Ohsawa N, Kosaka K *J Clin Endocrinol Metab* 42: 399-402, Feb 76 (Eng)  
DL/76AUG144

XYLITOL: STIMULATION OF INSULIN AND INHIBITION OF GLUCAGON RESPONSES TO ARGININE IN MAN. Seino Y, Taminato T, Inoue Y, Goto Y, Ikeda M *J Clin Endocrinol Metab* 42: 736-43, Apr 76 (Eng) DL/76AUG146

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D *In O Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188*

EFFECT OF FRACTIONATED INSULINS ON TOTAL PLASMA INSULIN BINDING CAPACITY AND INSULIN REQUIREMENTS IN SEVERE DIABETES. Oakley NW *Lancet* 1: 994-6, 8 May 76 (Eng) DL/76AUG233

LETTER: HIGHLY PURIFIED INSULINS. Anonymous *Lancet* 1: 1133-4, 22 May 76 (Eng)  
DL/76AUG235

[TISSUE EXCISION AT THE INJECTION SITE AS A POSSIBLE EMERGENCY THERAPY IN SUICIDE USING DEPOT-INSULIN] Guderjahn R *Med Welt* 27: 538-9, 12 Mar 76 (Ger)  
DL/76AUG239

AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241

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THE PRESENCE OF INSULIN IN AND SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS. Ishay J, Gitter S, Galun R, Doron M, Laron Z. *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58

#### INSULIN HOMEOSTASIS

EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA. Davidson MB, Fisher MB, Dabir-Vaziri N, Schaffer M. *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245

#### INSULIN, IMMUNOREACTIVE

[PLASMATIC IMMUNOREACTIVE INSULIN IN TRAINED ATHLETES] Karlicek V, Topolcan O, Jeschke J. *Cas Lek Cesk* 115: 324-6, 19 Mar 76 (Cze) DL/76AUG26

[IMMUNOREACTIVE INSULIN IN OBESE PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL.)] Karlicek V, Topolcan O, Chudacek Z. *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G. *Jr Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112

PLASMA IMMUNOREACTIVE INSULIN AND SOMATOTROPIN IN DELIRIUM TREMENS AND ALCOHOLIC HALLUCINOSIS. Dobrzanski T, Pieschl D. *J Stud Alcohol* 37: 327-33, Mar 76 (Eng) DL/76AUG224

#### INSULIN INFUSION

CONSTANT LOW-DOSE INSULIN INFUSION IN SEVERE DIABETES MELLITUS. Hannan TJ, Stathers GM. *Med J Aust* 1: 11-3, 3-10 Jan 76 (Eng) DL/76AUG249

EDITORIAL: INSULIN INFUSION IN KETOACIDOSIS. Anonymous. *Med J Aust* 1: 2-3, 3-10 Jan 76 (Eng) DL/76AUG250

#### INSULIN LIKE ACTIVITY, NONSUPPRESSIBLE

THE ROLE OF SERUM NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY (NSILA) IN COMPENSATORY RENAL GROWTH. Poffenbarger PL, Prince MJ. *Growth* 40: 83-97, Mar 76 (Eng) DL/76AUG105

#### INSULIN LIKE SUBSTANCE

[IMMUNO-REACTIVE INSULIN-LIKE SUBSTANCES IN THE RAT] Felix JM, Sutter-Dub MT, Legrele C, Billaudel B, Sutter BC, Jacquot R. *Pathol Biol (Paris)* 23: 841-8, Dec 75 (Fre) DL/76AUG283

#### INSULIN, MONOCOMPONENT

HAZARDS OF MONOCOMPONENT INSULINS. Logie AW, Stowers JM. *Br Med J* 1: 879-80, 10 Apr 76 (Eng) DL/76AUG20

[MONOCOMPONENT INSULIN] Reitsma WD. *Ned Tijdschr Geneesk* 120: 760-2, 24 Apr 76 (Dut) DL/76AUG274

CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES. Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP. *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

NUTRIENT-DEPENDENT ARREST OF FIBROBLAST GROWTH IS PARTIALLY REVERSED BY INSULIN BUT NOT FIBROBLAST GROWTH FACTOR. Kamely D, Rudland P. *Nature* 260: 51-3, 4 Mar 76 (Eng) DL/76AUG271

INSULIN STIMULATES ACTIVE SODIUM TRANSPORT IN TOAD BLADDER BY TWO MECHANISMS. Wiesmann WP, Sinha S, Klahr S. *Nature* 260: 546-7, 8 Apr 76 (Eng) DL/76AUG272

[CHAINS A AND B, CIRCULATING FRACTIONS OF INSULIN] Orsetti A. *Pathol Biol (Paris)* 23: 849-52, Dec 75 (Fre) DL/76AUG284

[ATTEMPT AT TREATING DIABETIC KETOACIDOSIS WITH SMALL DOSES OF INSULIN] Dudzinski W. *Pol Tyg Lek* 31: 377-8, 1 Mar 76 (Pol) DL/76AUG303

GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERM-FREE RATS. Sewell DL, Bruckner-Kardoss E, Lorenz LM, Wostmann BS. *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322

EFFECT OF FASTING AND INSULIN ON THE GLUCAGON-INDUCED ORTHOPHOSPHATE INCORPORATION TO THE ISOLATED PERFUSED RAT LIVER. De Venanzi F, Pena F, Jimenez O, De Alvarado H. *Proc Soc Exp Biol Med* 152: 47-51, May 76 (Eng) DL/76AUG323

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszky J. *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

[CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavagnini F, Peracchi M, Panerai AE, Pinto M. *Quad Scavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328

[INSULIN AVAILABILITY IN SOME FAMILIAL INHERITED NEUROLOGICAL SYNDROMES (AUTHORS TRANSL.)] Frattino P, Kauchtschischvili G, Nappi G, Poloni M, Favino A, Criffo A. *Riv Patol Nerv Ment* 95: 624-31, Oct 74 (Ita) DL/76AUG335

[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH HYPOGLYCEMIA PROVOKED BY INSULIN] Koblebinov NK, Ankov VK, Pavlov DN. *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSEO-ADRENAL SYSTEM IN OBESITY] Dobrev D, Pavlov D, Stoilov L. *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN. Falluca F, Menzinger G, Gambardella S, Tamburano S, Andeani D. *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

[COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P. *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415

DOES HYPERINSULINEMIA IN OB/OB MICE CAUSE AN INSULIN-STIMULATED ADIPOSE TISSUE. Loten EG, Le Marchand Y, Assimacopoulos-Jeannet F, Denton RM, Jeanraud B. *Am J Physiol* 230: 602-7, Mar 76 (Eng) DL/76AUG437

EFFECTS OF INSULIN HYPOGLYCAEMIA IN THE SHEEP ON JUGULAR HAEMATOCRIT AND PLASMA CORTICOSTEROID CONCENTRATIONS. Dooley PC, Williams VJ. *Aust J Biol Sci* 28: 503-9, Dec 75 (Eng) DL/76AUG466

#### INSULIN ACTION

[THE ACTION OF INSULIN ON RIBONUCLEIC ACID METABOLISM (AUTHORS TRANSL.)] Tragl KH. *Wien Klin Wochenschr* 87: 361-3, 30 May 75 (Ger) DL/76AUG377

#### INSULIN BINDING

DECREASED INSULIN BINDING TO ADIPOCYTES AND CIRCULATING MONOCYTES FROM OBESE SUBJECTS. Olefsky JM. *J Clin Invest* 57: 1165-72, May 76 (Eng) DL/76AUG149

INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA. Harmon JT, Hilf R. *J Supramol Struct* 4: 233-40, 1976 (Eng) DL/76AUG222

DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS. Roldan A, Stevens J, Hollander VP. *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321

#### INSULIN, BLOOD

AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M. *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBESE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H. *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

#### INSULIN CONTENT

[INSULIN CONTENT OF RAT BLOOD FOLLOWING INJURY TO THE VENTROMEDIAL SECTION OF THE HYPOTHALAMUS] Goldberg RS, Kasatkin IuN, Lazaris IuI, Smirnova LK. *Biull Eksp Biol Med* 79: 40-3, Jun 75 (Rus) DL/76AUG9

#### INSULIN DEGRADATION

BINDING AND DEGRADATION OF INSULIN BY HUMAN PERIPHERAL GRANULOCYTES. DEMONSTRATION OF SPECIFIC RECEPTORS WITH HIGH AFFINITY. Fussganger RD, Kahn CR, Roth J, De Meyts P. *J Biol Chem* 251: 2761-9, 10 May 76 (Eng) DL/76AUG134

AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M. *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241

#### INSULIN DIMER

LETTER: OLIGOPEPTIDES AS POTENTIAL ANTIAGGREGATION AGENT FOR PROTEINS: HEMOGLOBIN S GEL AND INSULIN DIMER. Kubota S, Chang CT, Samejima T, Yang JT. *J Am Chem Soc* 98: 2677-8, 28 Apr 76 (Eng) DL/76AUG154



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### INSULIN, PLASMA

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EFFECTS OF NEUROTENSIN AND SUBSTANCE P ON PLASMA INSULIN, GLUCAGON AND GLUCOSE LEVELS. Brown M, Vale W *Endocrinology* 98: 819-22, Mar 76 (Eng) DL/76AUG73

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

#### INSULIN RADIOIMMUNOASSAY

RESULTS OF A COMPARATIVE STUDY ON INSULIN RADIOIMMUNOASSAY IN 36 ITALIAN LABORATORIES. Costantini A, Lostia O, Malvano R, Rollieri E, Taggi F, Zucchelli GC *Pathol Biol (Paris)* 23: 873-83, Dec 75 (Eng) DL/76AUG285

#### INSULIN RATIO

THE GLUCOSE-INSULIN RATIO IN AMNIOTIC FLUID. Newman R, Tuter G *Obstet Gynecol* 47: 599-601, May 76 (Eng) DL/76AUG279

#### INSULIN RECEPTOR

INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY. Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG277

#### INSULIN RELEASE

PROCEEDINGS: THE EFFECTS OF CYPROHEPTADINE PRETREATMENT ON INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS. Richardson BP, Berde B *Br J Pharmacol* 56: 356p-357p, Mar 76 (Eng) DL/76AUG11

THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

STIMULATION OF INSULIN RELEASE AFTER RAISING EXTRACELLULAR CALCIUM. Hellman B *FEBS Lett* 63: 125-8, 15 Mar 76 (Eng) DL/76AUG89

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl LA, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLOCAMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS. Joost HG, Beckmann J, Lenzen S, Haselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407

#### INSULIN REMOVAL

AN ANOMALY OF INSULIN REMOVAL IN PERFUSED LIVERS OF OBESE-HYPERGLYCEMIC (OB/OB) MICE. Karakash C, Assimacopoulos-Jeannet F, Jeanrenaud B *J Clin Invest* 57: 1117-24, May 76 (Eng) DL/76AUG148

#### INSULIN REQUIREMENT

EFFECT OF FRACTIONATED INSULINS ON TOTAL PLASMA INSULIN BINDING CAPACITY AND INSULIN REQUIREMENTS

IN SEVERE DIABETES. Oakley NW *Lancet* 1: 994-6, 8 May 76 (Eng) DL/76AUG233

#### INSULIN RESISTANCE

INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY. Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG277

#### INSULIN RESISTANT

FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY. Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

#### INSULIN RESPONSE

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

#### INSULIN SECRETAGOGUE

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl LA, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

#### INSULIN SECRETION

EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE. Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23

ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION. Charles MA, Imagawa W, Forsham PH, Grodsky GM *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70

[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE] Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

[NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80

[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palummeri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS. Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Einsack JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

[EFFECT OF CLOFIBRATE ON GLUCOSE TOLERANCE AND INSULIN SECRETION IN PATIENTS WITH ENDOGENOUS HYPER-

TRIGLYCERIDEMIA (AUTHORS TRANSL)] Schwandt P, Weisweiler P, Neureuther G, Wilkening J *Munch Med Wochenschr* 118: 351-4, 19 Mar 76 (Ger) DL/76AUG257

INSULIN SECRETION IN PATIENTS WITH CHRONIC HEPATITIS TREATED WITH LIPOSTABIL. Kuska J, Kokot F *Pol Med Sci Hist Bull* 15: 433-8, Jul-Aug 75 (Eng) DL/76AUG305

[INSULIN SECRETION IN PATIENTS FOLLOWING JURASIS SURGERY FOR PANCREATIC PSEUDOCYST] Svoboda Z, Prokes J, Dobesova L, Vnitr Lek 22: 336-40, Apr 76 (Cze) DL/76AUG362

FAILURE OF ERGOTAMINE TO ACT AS AN AMPLIFIER OF SULFONYLUREA-STIMULATED INSULIN SECRETION. Sirek A, Sirek OV, Policova Z, Acta Diabetol Lat 12: 199-201, May-Aug 75 (Eng) DL/76AUG401

DIRECT NEURAL INHIBITION OF INSULIN SECRETION IN RESPONSE TO SYSTEMIC HYPOGLYCEMIA. Miller RE, Waid TH, Joyce MP *Am J Physiol* 230: 1090-4, Apr 76 (Eng) DL/76AUG439

[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL)] Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

#### INSULIN, SERUM

DAILY VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113

[CARBOHYDRATE TOLERANCE, SERUM INSULIN AND TRIGLYCERIDES IN CORONARY DISEASE] Dobrev DG, Ilkov A *Vutr Boles* 14: 11-22, 1975 (Bul) DL/76AUG371

SERUM INSULIN VALUES DURING ORAL GLUCOSE TOLERANCE TEST IN VARIOUS AGE GROUPS. Kerpel-Fronius E, Gacs G *Acta Paediatr Acad Sci Hung* 16: 197-202, 1975 (Eng) DL/76AUG413

EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY. Syvalahti E, Lammintausta R, Pekkarinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418

#### INSULIN TEST

ACID INHIBITION IN INSULIN TEST-A PRELIMINARY REPORT. Venkataraman MS, Balasubramaniam V, Kanaka TS, Nanjunda Rao R *Indian J Physiol Pharmacol* 19: 207-12, Oct-Dec 75 (Eng) DL/76AUG119

#### INSULINEMIA

[INSULINEMIA IN RENAL GLYCOSURIA] Polackova H, Knoch J, Prokes J, Svoboda Z, Vseteckova A *Vnitr Lek* 22: 341-4, Apr 76 (Cze) DL/76AUG363

#### INSULINOMA

[DIAGNOSIS AND TREATMENT OF INSULINOMA] Borovyi EM, Martyniuk IuM, Nesterenko LN, Syvvi Nlu *Vrach Delo* 90-1, Mar 74 (Rus) \*DL/76AUG861

#### INSULINOMA, METASTATIC

LETTER: PHENYTOIN IN METASTATIC INSULINOMA. Aderka D, Shaklai M, Doron M, Laron Z, Pinkhas J, De Vries A *JAMA* 234: 1119, 15 Dec 75 (Eng) \*DL/76AUG733



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THE EFFECT OF SOMATOSTATIN ON RELEASE AND INSULINOTROPIC ACTION OF GASTRIC INHIBITORY POLYPEPTIDE. Pederson RA, Dryburgh JR, Brown JC *Can J Physiol Pharmacol* 53: 1200-5, Dec 75 (Eng) DL/76AUG25

HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS. Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

### INTERNAL MEDICINE

[ACUTE HEMODIALYSIS IN INTERNAL MEDICINE EMERGENCY THERAPY] Mampel E, Koall W, Ganzert G *Z Gesamte Inn Med* 30: 175-6 contd., 1 Sep 75 (Ger) DL/76AUG383

### INTERSCAPULAR TISSUE

EFFECTS OF DIET AND COLD ACCLIMATION ON LIPID COMPOSITION OF RAT INTERSCAPULAR BROWN ADIPOSE TISSUE. Senault C, Hlusko MT, Portet R *Ann Nutr Aliment* 29: 67-77, 1975 (Eng) \*DL/76AUG91

### INTERVERTEBRAL DISC, LUMBAR

FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO. Maroudas A, Stockwell RA, Nachemson A, Urban J *J Anat* 120: 113-30, Sep 75 (Eng) \*DL/76AUG706

### INTESTINAL CELL

EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS. Reiser S, Michaelis OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777

### INTESTINAL EPITHELIAL CELL

EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED INTESTINAL EPITHELIAL CELLS OF THE CHICK. Raheja KL, Tepperman J, Tepperman HM *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548

### INTESTINE

SUGAR TRANSPORT BY INTESTINE. ESCAPE OF GALACTOSE FROM PRELOADED MUCOSA OF HAMSTER JEJUNUM. Baker RD, Lo CS, Nunn AS *Biochim Biophys Acta* 401: 429-39, 2 Sep 75 (Eng) \*DL/76AUG625

THIAMINE TRANSPORT ACROSS THE RAT INTESTINE. II. EFFECT OF ETHANOL. Hoyumpa AM Jr, Breen KJ, Schenker S, Wilson FA *J Lab Clin Med* 86: 803-16, Nov 75 (Eng) \*DL/76AUG721

RADIATION EFFECTS ON ALKALINE PHOSPHATASE AND GLUCOSE-6-PHOSPHATASE IN ANATOMICALLY DIFFERENT REGIONS OF MOUSE INTESTINE. Kaur A, Dubey DP, Gupta GS *Strahlentherapie* 150: 427-32, Oct 75 (Eng) \*DL/76AUG855

### INTESTINE, SMALL

[PARTICIPATION OF THE SMALL INTESTINE IN CARBOHYDRATE METABOLISM] Berkman RA, Iatsenko IV *Fiziol Zh SSSR* 61: 1697-1703, Nov 75 (Rus) \*DL/76AUG500

THE SYNERGISTIC EFFECT OF DIETARY CARBOHYDRATES ON THE PASSAGE OF AMINO ACIDS TO THE SMALL INTESTINE OF THE SHEEP. Offer NW, Evans RA, Axford RF *Proc Nutr Soc* 34: 67a-68a, Sep 75 (Eng) \*DL/76AUG770

### INTRAMUSCULAR

[BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBSE SUBJECTS] Lanzara P, Marozzi P, Carmina E, Janni A *Pediatr (Napoli)* 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291

### INTRAVENOUS

[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palumieri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

GROWTH HORMONE AND CORTISOL SECRETION AFTER ORAL AND INTRAVENOUS ADMINISTRATION OF METHYLDOPA. Syvalahti E, Seppala PO, Iisalo E *Acta Pharmacol Toxicol (Kbh)* 37: 257-64, Sep 75 (Eng) \*DL/76AUG874

### INULIN

ESTIMATION OF THE CAPILLARY PERMEABILITY COEFFICIENTS OF INULIN IN VARIOUS TISSUES OF THE RABBIT. Wittmers LE Jr, Bartlett M, Johnson JA *Microvasc Res* 11: 67-78, Jan 76 (Eng) DL/76AUG248

### IODOACETATE, SODIUM

SODIUM IODOACETATE AS AN ANTIGLYCOLYTIC AGENT IN BLOOD SAMPLES. Marbach EP, McLean M, Scharn M, Jones T *Clin Chem* 21: 1810-2, Nov 75 (Eng) \*DL/76AUG658

### ION PERMEATION

THE KINETICS OF CARRIER-MEDIATED ION PERMEATION IN LIPID BILAYERS AND ITS THEORETICAL INTERPRETATION. Laprade R, Ciani S, Eisenman G, Szabo G *Membranes* 3: 127-214, 1975 (Eng) [24] \*DL/76AUG575

### ION SELECTIVITY

ION SELECTIVITY OF CARRIERS AND CHANNELS. Mullins LJ *Biophys J* 15: 921-31, Sep 75 (Eng) \*DL/76AUG633

### ION TRANSLOCATION

PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANSLOCATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY. Haefliger EW, Privett OS *Hoppe Seyler's Z Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692

### IONIC PORE

EVIDENCE FOR IONIC PORES IN EXCITABLE MEMBRANES. Armstrong CM *Biophys J* 15: 932-3, Sep 75 (Eng) \*DL/76AUG634

### IPIROVERATRIL

[A FURTHER CASE OF MALIGNANT HYPERTENSION AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IPIROVERATRIL) (AUTHORS

TRANSL)] Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesiol* 25: 80-1, Feb 76 (Ger) DL/76AUG446

### IRON UPTAKE

[HISTOCHEMICAL STUDY OF MEDIUM-CHAIN, NEUTRAL FAT, GLUCOSE AND IRON UPTAKE IN THE INTESTINAL-TYPE EPITHELIAL CELLS OF THE GASTRIC MUCOSA] Katsu K, Maezawa H, Odakura T *Jpn J Gastroenterol* 72: 838-45, Jul 75 (Jpn) \*DL/76AUG560

### IRRADIATION

PLASMA CORTICOSTERONE SECRETION IN RATS AFTER IRRADIATION. Groza P, Vladescu C *Physiology* 12: 53-5, 1975 (Eng) \*DL/76AUG584

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EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES. Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschkoff S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA. Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG813

### ISCHEMIA, LIVER

PROTECTIVE EFFECT OF STEROIDS ON LIVER ISCHEMIA. Santiago Delpin EA, Figueroa I, Lopez R, Vazquez J *Am Surg* 41: 683-5, Nov 75 (Eng) \*DL/76AUG889

### ISCHEMIA, PANCREATIC

PANCREATIC ISCHAEMIA; SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

### ISCHEMIC HEART DISEASE

[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardioangiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275

### ISCHEMIC MYOCARDIUM

MITOCHONDRIAL CALCIUM METABOLISM IN ISCHEMIC AND FAILING MYOCARDIUM. Sordahl LA, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 535-40, 1974 (Eng) \*DL/76AUG822

### ISLET

PROCEEDINGS: THE EFFECTS OF CYPROHEPTADINE PRETREATMENT ON INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS. Richardson BP, Berde B *Br J Pharmacol* 56: 356p-357p, Mar 76 (Eng) DL/76AUG11

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ISLETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufenor C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

## Diabetes Literature—Keyword Index

### ISLET ADENOMA

[COOPERATIVE BINDING OF TOLBUTAMIDE BY ISOLATED RAT ISLETS OF LANGERHANS] Alric R, Manteghetti M, Puech R, Lignon F, Loubatieres A *C R Acad Sci [D] (Paris)* 281: 2029-32, 22 Dec 75 (Fre) DL/76AUG38

HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS. Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman JJ *Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT. Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189

[AMYLOIDOSIS OF THE ISLANDS OF LANGERHANS AND ITS EFFECTS WITH REGARD TO THEIR CELLULAR COMPONENTS] Melato M, Antonutto G, Giarelli L, Mlac M *Pathologica* 67: 109-18, Mar-Apr 75 (Ita) DL/76AUG288

EFFECT OF STREPTOZOTOCIN ON THE BLOOD GLUCOSE LEVEL AND HISTOLOGY OF THE PRINCIPAL ISLETS OF CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS *Z Mikrosk Anat Forsch* 89: 319-26, 1975 (Eng) DL/76AUG391

PREPARATION OF ISLETS OF LANGERHANS FROM RABBITS AND HAMSTERS BY THE COLLAGENASE DIGESTION TECHNIQUE. Feldman JM, Chapman B *Acta Diabetol Lat* 12: 208-18, May-Aug 75 (Eng) DL/76AUG403

INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLOC-AMP-CONTENT AND 4SCA-ACCUMULATION OF INCUBATED MOUSE ISLETS. Joost HG, Beckmann J, Lenzen S, Hasselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407

### ISLET ADENOMA

[EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL)] Sailer R, Katoh E, Drunklee D, Kovacicsek S, Berger M *Munch Med Wochenschr* 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

### ISLET CELL

ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS. Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL)] Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

### ISLET FUNCTION

ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION. Federlin K, Slijepcevic M, Helmke K *Horm Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116

### ISLET HISTOPHYSIOLOGY

ISLET HISTOPHYSIOLOGY: EVOLUTIONARY CORRELATIONS. Epple A, Brinn JE Jr *Gen Comp Endocrinol* 27: 320-49, Nov 75 (Eng) DL/76AUG102

### ISLET TRANSPLANTATION

ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION. Charles MA, Imagawa W, Forsham PH, Grodsky GM *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70

ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION. Federlin K, Slijepcevic M, Helmke K *Horm Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116

ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES. Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220

### ISOCITRATE

THE STEADY STATE CONCENTRATIONS OF COENZYME A-SH AND COENZYME A THIOESTER, CITRATE, AND ISOCITRATE DURING TRICARBOXYLATE CYCLE OXIDATIONS IN RABBIT HEART MITOCHONDRIA. Hansford RG, Johnson RN *J Biol Chem* 250: 8361-75, 10 Nov 75 (Eng) \*DL/76AUG528

### ISOPROTERENOL

ISOPROTERENOL MYOCYTOLYSIS AND MYOCARDIAL CALCIUM. Bloom S, Davis D *Recent Adv Stud Cardiac Struct Metab* 4: 581-90, 1974 (Eng) \*DL/76AUG825

### ISOTOPE EXCHANGE

KINETIC ANALYSIS OF ACTIVE MEMBRANE TRANSPORT SYSTEMS: EQUATIONS FOR NET VELOCITY AND ISOTOPE EXCHANGE. Cuppoletti J, Segel IH *J Theor Biol* 53: 125-44, Sep 75 (Eng) \*DL/76AUG564

### JAPAN

EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN. Ueda K, Omae T, Hirota Y, Takeshita M, Hiyoshi Y *J Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS. Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

### JEJUNOILEAL BYPASS

CERTAIN METABOLIC CONSEQUENCES OF JEJUNOILEAL BYPASS. Bendezu R, Wieland RG, Green SG, Hallberg MC, Marsters RW *Am J Clin Nutr* 29: 366-70, Apr 76 (Eng) DL/76AUG426

### JEJUNUM

SUGAR TRANSPORT BY INTESTINE. ESCAPE OF GALACTOSE FROM PRELOADED MUCOSA OF HAMSTER JEJUNUM. Baker RD, Lo CS, Nunn AS *Biochim Biophys Acta* 401: 429-39, 2 Sep 75 (Eng) \*DL/76AUG625

### JUGULAR HAEMATOCRIT

EFFECTS OF INSULIN HYPOGLYCAEMIA IN THE SHEEP ON JUGULAR HAEMATOCRIT AND PLASMA CORTICOSTEROID CONCENTRATIONS. Dooley PC, Williams VJ *Aust J Biol Sci* 28: 503-9, Dec 75 (Eng) DL/76AUG466

### JUGULAR INFUSION

DRINKING AND FEEDING INDUCED BY JUGULAR AND PORTAL INFUSIONS OF 2-DEOXY-D-GLUCOSE. Russell PJ, Mogenson GJ *Am J Physiol* 229: 1014-8, Oct 75 (Eng) \*DL/76AUG882

### JURASZS SURGERY

[INSULIN SECRETION IN PATIENTS FOLLOWING JURASZS SURGERY FOR PANCREATIC PSEUDOCYST] Svoboda Z, Prokes J, Dobesova L *Vnitř Lek* 22: 336-40, Apr 76 (Cze) DL/76AUG362

### JUVENILE DIABETES

JUVENILE DIABETES AND HUMAN SPERM QUALITY. Bartak V, Josifko M, Horackova M *Int J Fertil* 20: 30-2, 1975 (Eng) DL/76AUG123

THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS. Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisiadis L, Hardy MA, Reemtsma K, Allen FH Jr *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

[LETTER: HL-A GROUPS IN JUVENILE DIABETES] Cathelineau G, Cathelineau L, Hors J, Schmid M, Dausset J *Nouv Presse Med* 5: 586, 28 Feb 76 (Fre) DL/76AUG299

[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES] Milewicz A, Stepień-Dobrowolska M, Szklarz E, Glebowska H, Gladysz A, Czarowska J *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

[CELL-MEDIATED IMMUNE RESPONSE IN JUVENILE DIABETES] Karmazsin L, Amoro I *Acta Paediatr Acad Sci Hung* 16: 317-26, 1975 (Ger) DL/76AUG417

METABOLISM AND ULTRASTRUCTURE IN OVARIES OF ALLOXAN-DIABETIC JUVENILE RATS. Stahler E, Neumann HO, Niethammer KM *Arch Gynaekol* 220: 199-208, 5 Mar 76 (Eng) DL/76AUG461

### KETAMINE

RISE IN PLASMA FREE-NOREPINEPHRINE DURING ANESTHETIC INDUCTION WITH KETAMINE. Zsigmond EK, Kelsch RC, Kothary SP *Behav Neuropsychiatry* 6: 81-4, Apr 74-Mar 75 (Eng) \*DL/76AUG909

### KETOACIDOSIS

PATHOGENESIS, DIAGNOSIS AND TREATMENT OF DIABETIC KETOACIDOSIS. Gogut MD *Curr Probl Pediatr* 6: 1-35, Feb 76 (Eng) [177] DL/76AUG60

LETTER: AUTONOMIC DYSFUNCTION IN DIABETIC KETOACIDOSIS. Page M, Watkins PJ *Lancet* 1: 963, 1 May 76 (Eng) DL/76AUG230

**EDITORIAL: INSULIN INFUSION IN KETOACIDOSIS.** Anonymous *Med J Aust* 1: 2-3, 3-10 Jan 76 (Eng) DL/76AUG250

**LETTER: TREATMENT OF DIABETIC KETOACIDOSIS.** Anonymous *N Engl J Med* 294: 1183-4, 20 May 76 (Eng) DL/76AUG263

**LETTER: MANAGEMENT OF KETOACIDOSIS IN CHILDREN.** Amato RS *N Engl J Med* 294: 1405-6, 17 Jun 76 (Eng) DL/76AUG270

**[ATTEMPT AT TREATING DIABETIC KETOACIDOSIS WITH SMALL DOSES OF INSULIN]** Dudzinski W *Pol Tyg Lek* 31: 377-8, 1 Mar 76 (Pol) DL/76AUG303

**[INFLUENCE OF HYPOPHOSPHATEMIA ON ERYTHROCYTE METABOLISM IN DIABETIC KETO-ACIDOSIS]** Ilyonnais J, Card RT, Brain MC *Union Med Can* 104: 560-4, Apr 75 (Fre) DL/76AUG354

## KETONE, BLOOD

**EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT.** Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240

**EFFECTS OF 1,3-BUTANEDIOL AND 1,2-PROPANEDIOL ON BLOOD KETONE BODIES AND GLUCOSE IN SHEEP FED RESTRICTED DIETS.** Emmanuel B, Nahapetian A *J Anim Sci* 41: 1468-73, Nov 75 (Eng) \*DL/76AUG523

## KETONE BODY

**INDUCTION PROCESSES IN BLOOD-BRAIN TRANSFER OF KETONE BODIES DURING STARVATION.** Gjedde A, Crone C *Am J Physiol* 229: 1165-9, Nov 75 (Eng) \*DL/76AUG609

## KIDNEY

**THE EFFECT OF INHIBITORS AND DIURETICS ON ACTIVE TRANSPORT POTENTIALS IN RAT KIDNEY PROXIMAL TUBULE.** Fromter E *Curr Probl Clin Biochem* 4: 119-25, 1975 (Eng) \*DL/76AUG484

**DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX.** Kinne R, Shlatz LJ, Kinne-Saffran E, Schwartz IL *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

**STRUCTURE AND ACTIVE TRANSPORT IN THE PLASMA MEMBRANE OF THE TUBULES OF FROG KIDNEY.** Bresler VM, Bresler SE, Nikiforov AA *Biochim Biophys Acta* 406: 526-37, 3 Nov 75 (Eng) \*DL/76AUG631

## KIDNEY, DIABETIC

**THE DIABETIC KIDNEY.** Merkel FK, Straus AK, Armbruster KF, Lewis EJ *Compr Ther* 1: 40-8, May 75 (Eng) DL/76AUG56

## KINASE, PROTEIN

**CHARACTERIZATION OF PROTEIN KINASES FROM BOVINE PAROTID GLANDS. THE EFFECT OF TOLBUTAMIDE AND ITS DERIVATIVE ON THESE PARTIALLY PURIFIED ENZYMES.** Kanamori T, Hayakawa T, Nagatsu T *Biochim Biophys Acta* 429: 147-62, 11 Mar 76 (Eng) DL/76AUG2

**DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX.** Kinne R, Shlatz LJ, Kinne-Saffran E, Schwartz IL *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

**RAT MYOCARDIAL PROTEIN KINASES. I. CYTOSOL.** Gibson K, Tichonicky L, Kruh J *Biochimie* 56: 1409-16, 1974 (Eng) \*DL/76AUG632

**ADENOSINE-3,5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME.** Azhar S, Menon KM *Eur J Biochem* 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674

**CHARACTERIZATION OF SOLUBLE AND MICROSOMAL ADENOSINE 3,5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASES FROM RABBIT HEART.** Laria PJ, Zwierling LJ, Morkin E *Recent Adv Stud Cardiac Struct Metab* 5: 133-41, 1975 (Eng) \*DL/76AUG827

## KINASE, PYRUVATE

**ENZYMATIC PATTERN OF GLUCOSE METABOLIC PATHWAYS IN PYRUVATE KINASE-DEFICIENT ERYTHROCYTES.** Guminska M, Wazewska-Czyzewska M *Clin Chim Acta* 64: 165-72, 15 Oct 75 (Eng) \*DL/76AUG663

**REGULATION OF GLYCOLYSIS IN NEUROSPORA CRASSA. KINETIC PROPERTIES OF PYRUVATE KINASE.** Tsao MU, Madley TI *Microbios* 12: 125-42, 1975 (Eng) \*DL/76AUG746

## KWASHIORKOR

**CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR.** Persson B, Demissie H, Sterky G *Infusionstherapie* 2 suppl 3: 34-6, 1975 (Eng) \*DL/76AUG703

## LABOR

**THE PRESENT SITUATION OF CLINICAL MONITORING OF THE FETUS DURING LABOR.** Saling EZ, Dudenhausen JW *J Perinat Med* 1: 75-103, 1973 (Eng) [96] \*DL/76AUG723

**AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR.** Esteban-Altirriba J, Rene AM, Duran P, Cabero L, Giralte E, Carreras M, Garcia-Cambronero MT *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724

## LABORATORY

**[CLINICAL AND LABORATORY PROBLEMS IN RADIOIMMUNOLOGIC DETERMINATION]** Castelli A *Quad Scavo Diagn* 11: 179-82, Jun 75 (Ita) DL/76AUG326

## LABORATORY DIAGNOSIS

**[DIRECTED LABORATORY DIAGNOSIS FOR THE GENERAL PRACTITIONER]** Nord-Wurtemberg KV ZFA 52: 285-303, 29 Feb 76 (Ger) DL/76AUG392

## LACTASE DEFICIENCY

**PROSPECTIVE COMPARISON OF INDIRECT METHODS FOR DETECTING LACTASE DEFICIENCY.** Newcomer AD, McGill DB, Thomas PJ, Hofman AF *N Engl J Med* 293: 1232-6, 11 Dec 75 (Eng) \*DL/76AUG752

## LACTATE

**EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP. PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. COR-**

**RELATION WITH CARDIAC NOREPINEPHRINE STORES.** Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschkoff S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

**EDITORIAL: MORE ON LACTATE.** Cohen PJ *Anesthesiology* 43: 614-6, Dec 75 (Eng) \*DL/76AUG886

## LACTATE OXIDATION

**REGULATION OF RATE OF LACTATE OXIDATION BY THE HEART.** Whereat AF, Orishimo MW *Recent Adv Stud Cardiac Struct Metab* 3: 31-38, 1973 (Eng) \*DL/76AUG798

## LACTATION

**USE OF 1,3-BUTANEDIOL FOR LACTATION AND GROWTH IN CATTLE.** Young JW *Fed Proc* 34: 2177-81, Nov 75 (Eng) \*DL/76AUG682

**THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION.** Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772

## LACTIC ACID

**STIMULATION OF LACTIC ACID PRODUCTION IN CHICK EMBRYO FIBROBLASTS BY SERUM AND HIGH PH IN THE ABSENCE OF EXTERNAL GLUCOSE.** Fodge DW, Rubin H *J Cell Physiol* 86: 453-7, Dec 75 (Eng) \*DL/76AUG539

**[EFFECT OF ANEMIA ON VARIOUS REACTIONS OF THE DOMESTIC SWINE DUE TO PHYSICAL EXERTION. 3. CHANGES IN PLASMA GLUCOSE AND LACTIC ACID CONCENTRATIONS]** Burger U, Steinhart M, Riehm G, Lyhs L *Arch Exp Veterinaermed* 29: 581-93, 1975 (Ger) \*DL/76AUG905

## LACTIC ACIDOSIS

**[LACTIC ACIDOSIS INDUCED BY BIGUANIDES]** Assan R, Heuclin C, Girard JR, Attali JR *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297

**[LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN]** Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298

## LACTOBACILLUS CASEI

**ADAPTIVE ALTERATIONS IN LACTOBACILLUS CASEI GLUCONEOGENESIS IN CELLS GROWN ON RIBOSE.** Pradhan PG, Nadkarni GB *Arch Biochem Biophys* 171: 65-9, Nov 75 (Eng) \*DL/76AUG898

## LACTOGEN, PLACENTAL

**THE DISTRIBUTION OF PLACENTAL LACTOGEN IN THE HUMAN TERM PLACENTA.** Gau G, Chard T *Br J Obstet Gynaecol* 82: 790-3, Oct 75 (Eng) \*DL/76AUG473

## LACTOSE

**INTOLERANCE OF EIGHT OUNCES OF MILK IN HEALTHY LACTOSE-INTOLERANT TEEN-AGERS.** Mitchell KJ, Bayless TM, Paige DM, Goodgame RW, Huang SS *Pediatrics* 56: 718-21, Nov 75 (Eng) \*DL/76AUG581

# LACTOSE

## LARVA, KERATINOLYTIC

PROPERTIES AND SPECIFICITY OF A SECOND METAL CHELATOR-SENSITIVE PROTEINASE IN THE KERATINOLYTIC LARVAE OF THE WEBBING CLOTHES MOTH. Ward CW *Aust J Biol Sci* 28: 439-45, Dec 75 (Eng) DL/76AUG465

## LEG

SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG. Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 215-20, Sep-Dec 74 (Eng) DL/76AUG129

LESIONS OF THE LEGS IN DIABETICS AND IN PATIENTS WITH FAMILIAL AMYLOIDOSIS AND POLYNEUROPATHY. Lithner F *Acta Med Scand [Suppl]* 1-23, 1976 (Eng) DL/76AUG421

LEG MUSCLE METABOLISM DURING EXERCISE IN THE HEAT AND COLD. Fink WJ, Costill DL, Van Handel PJ *Eur J Appl Physiol* 34: 183-90, 15 Aug 75 (Eng) \*DL/76AUG673

SUBSTRATE UTILIZATION BY THE INACTIVE LEG DURING ONE-LEG OR ARM EXERCISE. Ahlborg G, Hagenfeldt L, Wahren J *J Appl Physiol* 39: 718-23, Nov 75 (Eng) \*DL/76AUG707

## LENS

ELECTRON MICROSCOPY OF CULTURED MAMMALIAN LENSES. II. CHANGES PRECEDING AND ACCOMPANYING INSULIN-INDUCED MITOSIS. Reddan JR, Unakar NJ *Invest Ophthalmol* 15: 411-7, May 76 (Eng) DL/76AUG125

AUTOFLUORESCENCE OF THE HUMAN DIABETIC LENS IN VIVO. Helve J, Nieminen H *Am J Ophthalmol* 81: 493-4, Apr 76 (Eng) DL/76AUG436

## LEUCINE

THE EFFECT OF DIABETES, INSULIN, AND THE REDOX POTENTIAL ON LEUCINE METABOLISM BY ISOLATED RAT HEMI-DIAPHRAGM. Buse MG, Herlong HF, Weigand DA *Endocrinology* 98: 1166-75, May 76 (Eng) DL/76AUG74

HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT PANCREATIC ISLETS. Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

## LEUCINE UPTAKE

EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS. Reiser S, Michaelis OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777

## LEUKOCYTE

IN VIVO CHEMOTAXIS OF RAT LEUKOCYTES IN THE PRESENCE OF CIRCULATING CHYLOMICRONS. Perper RJ, Oronsky AL, Sanda M, Stecher VJ *Atherosclerosis* 22: 257-69, Sep-Oct 75 (Eng) \*DL/76AUG923

## LH

SEE LUTEINIZING HORMONE

## LIDOCAINE

[A FURTHER CASE OF MALIGNANT HYPERTENSIA AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IPIROVERATIL) (AUTHORS TRANSL.)] Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446

## LIMB

THE USE OF EXPANDED MICROPOROUS POLYTETRAFLUOROETHYLENE FOR LIMB SALVAGE: A PRELIMINARY REPORT. Campbell CD, Brooks DH, Webster MW, Bahnson HT *Surgery* 79: 485-91, May 76 (Eng) DL/76AUG347

## LINOLEIC ACID

INHIBITION OF RAT AND SHEEP ADIPOSE-TISSUE LIPOGENESIS BY PALMITIC ACID AND LINOLEIC ACID ADDED IN VITRO. Vernon RG *Biochem Soc Trans* 3: 717, 1975 (Eng) \*DL/76AUG504

EFFECTS OF DIETARY ERUCIC AND LINOLEIC ACID ON MYOCARDIAL FUNCTION IN RATS. ten Hoor F, van de Graaf HM, Vergoosen AJ *Recent Adv Stud Cardiac Struct Metab* 3: 59-72, 1973 (Eng) \*DL/76AUG807

## LIPASE, LIPOPROTEIN

GLUCOCORTICOID AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT. Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

APPLICATION OF LIPOPROTEIN LIPASE FOR THE ASSAY OF SERUM TRIGLYCERIDE. Sugiyama M, Isobe M, Hirata F, Inagawa T *Chem Pharm Bull (Tokyo)* 23: 1417-20, Jul 75 (Eng) \*DL/76AUG654

INHIBITION OF LIPOPROTEIN LIPASE BY UREMIC PLASMA, A POSSIBLE CAUSE OF HYPERTRIGLYCERIDEMIA. Murase T, Catran DC, Rubenstein B, Steiner G *Metabolism* 24: 1279-86, Nov 75 (Eng) \*DL/76AUG745

## LIPASE, PANCREATIC

DIAGNOSTIC USE OF PANCREATIC LIPASE DETERMINATION BY RADIAL ENZYME DIFFUSION, AND DESIGN OF A ROUTINE PANCREATIC PROFILE. Goldberg JM *Clin Chem* 22: 638-42, May 76 (Eng) DL/76AUG40

## LIPID

LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS. Daubresse JC, Lerson G, Plantieux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

[POSTPRANDIAL LEVELS OF BLOOD SUGAR, CHOLESTEROL AND TOTAL LIPIDS IN A GROUP OF NORMAL STUDENTS] Sneed A, Buicu C, Dughir E, Dimitriu M *Rev Med Chir Soc Med Nat Iasi* 79: 555-60, Oct-Dec 75 (Rum) DL/76AUG333

THE INFLUENCE OF LIPIDS ON THE CONFORMATION OF THE ADENOSINE TRIPHOSPHATASE OF SARCOPLASMIC RETICULUM AND OF OTHER MEMBRANE PROTEINS. Green NM *Biochem Soc Trans* 3: 604-6, 1975 (Eng) \*DL/76AUG501

INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EF-

FECTS ON PROSTAGLANDIN BIOSYNTHESIS. Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

SOME EFFECTS OF AN ORAL CONTRACEPTIVE ON DIETARY CARBOHYDRATE-LIPID INTERRELATIONS IN THE BABOON. Stovin V, Macdonald I *Proc Nutr Soc* 34: 55a-56a, Sep 75 (Eng) \*DL/76AUG768

PHASE TRANSITIONS AND FLUIDITY CHARACTERISTICS OF LIPIDS AND CELL MEMBRANES. Chapman D *Q Rev Biophys* 8: 185-235, May 75 (Eng) [246] \*DL/76AUG786

HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA. Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG813

LP(ALPHA) LIPOPROTEIN AND PRE-BETA1-LIPOPROTEIN IN RELATION TO LIPID LEVELS IN MALES. Dahlen G, Berg K, Ericson C, Noer G *Acta Med Scand* 198: 263-7, Oct 75 (Eng) \*DL/76AUG877

[PROCEEDINGS: EFFECT OF OESTROGENS AND DIET ON LIPIDS IN THE PLASMA OF CASTRATED RATS OF BOTH SEXES (AUTHORS TRANSL.)] Pottier C, Lederer J *Ann Endocrinol (Paris)* 36: 115-6, Mar-Apr 75 (Fre) \*DL/76AUG893

BINDING OF CARDIOLIPIN/LECITHIN AND MONOAMINE OXIDASE TO LIPID-DEPLETED MITOCHONDRIAL MEMBRANE STRUCTURE. Ekstedt B, Olivecrona T, Oreland L *Arch Biochem Biophys* 171: 170-5, Nov 75 (Eng) \*DL/76AUG896

GLYCOSYL TRANSFER TO AN ACCEPTOR LIPID FROM INSECTS. Quesada Allue LA, Belocicopitow E, Marechal LR *Biochem Biophys Res Commun* 66: 1201-8, 27 Oct 75 (Eng) \*DL/76AUG915

## LIPID ACCUMULATION

LIPID ACCUMULATION IN A HEPATOCELLULAR CARCINOMA ASSOCIATED WITH HYPOLYCAEMIA. Chan WC, Ma L *Pathology* 7: 299-305, Oct 75 (Eng) DL/76AUG287

## LIPID AUTOXIDATION

LIPID OXIDATION IN BIOLOGICAL MEMBRANES. ELECTRON TRANSFER PROTEINS AS INITIATORS OF LIPID AUTOXIDATION. Kaschnitz RM, Hatfield Y *Arch Biochem Biophys* 171: 292-304, Nov 75 (Eng) \*DL/76AUG897

## LIPID BILAYER

THE KINETICS OF CARRIER-MEDIATED ION PERMEATION IN LIPID BILAYERS AND ITS THEORETICAL INTERPRETATION. Laprade R, Ciani S, Eisenman G, Szabo G *Membranes* 3: 215-214, 1975 (Eng) [24] \*DL/76AUG575

THE ACTION OF UNCOUPLERS ON LIPID BILAYER MEMBRANES. Neumecke B *Membranes* 3: 215-53, 1975 (Eng) [71] \*DL/76AUG576

THE USE OF X-RAY SCATTERING IN THE STUDY OF LIPID BILAYER PLANAR ORGANIZATION. Engelmann DM *Biophys J* 15: 940-4, Sep 75 (Eng) \*DL/76AUG635

## LIPID COMPOSITION

CHANGES IN MUSCLE MITOCHONDRIAL LIPID COMPOSITION RESULTING FROM TRAINING AND EXHAUSTIVE EXERCISE. Dohm GL, Barakat H, Stephenson TP, Pennington SN, Tapscoff EB *Life Sci* 17: 1075-80, 10 Oct 75 (Eng) \*DL/76AUG574



FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA&S TRANSPORT, AND CA&S-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

EFFECTS OF DIET AND COLD ACCLIMATION ON LIPID COMPOSITION OF RAT INTERSCAPULAR BROWN ADIPOSE TISSUE. Senault C, Hlusko MT, Portet R *Ann Nutr Aliment* 29: 67-77, 1975 (Eng) \*DL/76AUG891

## LIPID INTERACTION

OBESITY, CARBOHYDRATE, AND LIPID INTERACTIONS IN THE ELDERLY. Bierman EL *Curr Concepts Nutr* 4: 171-6, 1976 (Eng) [19] DL/76AUG59

## LIPID MEMBRANE

D-GLUCOSE PERMEABILITY OF BLACK LIPID MEMBRANES MODIFIED BY HUMAN ERYTHROCYTE MEMBRANE FRACTIONS. Lidgard GP, Jones MN *J Membr Biol* 21: 1-10, 23 Apr 75 (Eng) \*DL/76AUG556

## LIPID METABOLISM

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. IV. INFLUENCE OF INSULIN AND EPINEPHRINE ON LIPOGENESIS FROM (14C)-U-GLUCOSE. Somer JB, Schwartz CJ *Exp Mol Pathol* 24: 129-41, Apr 76 (Eng) DL/76AUG88

BUTANEDIOL AND LIPID METABOLISM. Romos DR, Belo PS, Leveille GA *Fed Proc* 34: 2186-90, Nov 75 (Eng) \*DL/76AUG683

EFFECT OF AGING ON LIPID METABOLISM. Goto Y, Nakamura H, Hata Y, Asano E, Takeuchi I *Keio J Med* 24: 49-57, Apr 75 (Eng) \*DL/76AUG735

[RETICULOENDOTHELIAL SYSTEM, LIPID METABOLISM AND ATHEROSCLEROSIS] Vinogradov AG, Denisenko AD *Patol Fiziol Eksp Ter* 3-12, Mar-Apr 75 (Rus) [138] \*DL/76AUG756

LIPID METABOLISM IN HUMAN CORONARY ARTERIES. Bing RJ, Morita T, Hashimoto H, Larsen E *Recent Adv Stud Cardiac Struct Metab* 3: 53-8, 1973 (Eng) \*DL/76AUG803

LIPID AND GLYCOGEN METABOLISM IN THE HYPOXIC HEART: EFFECTS OF EPINEPHRINE. Crass MF 3d, Pieper GM *Am J Physiol* 229: 885-9, Oct 75 (Eng) \*DL/76AUG883

THE EFFECT OF CARBON MONOXIDE ON LIPID METABOLISM OF HUMAN CORONARY ARTERIES. Sarma JS, Tillmanns H, Ikeda S, Bing RJ *Atherosclerosis* 22: 193-8, Sep-Oct 75 (Eng) \*DL/76AUG922

## LIPID OXIDATION

LIPID OXIDATION IN BIOLOGICAL MEMBRANES. ELECTRON TRANSFER PROTEINS AS INITIATORS OF LIPID AUTOXIDATION. Kaschnitz RM, Hateli Y *Arch Biochem Biophys* 171: 292-304, Nov 75 (Eng) \*DL/76AUG897

## LIPID, SERUM

[CHANGES OF SERUM LIPIDS DURING PARENTERAL FEEDING WITH A 10 PERCENT OF SOY OIL SOLUTION (AUTHORS TRANSL)] Hernandez Lopez D, Rivera Hidalgo P, Guedea MS, Rivas y Rivas RM, Gutierrez Sampedro C *Prensa Med Mex* 40: 346-51, Nov-Dec 75 (Spa) DL/76AUG314

DIETARY REGULATION OF SERUM LIPIDS IN HEALTHY, YOUNG ADULTS. Hill P, Wynder EL *J Am Diet Assoc* 68: 25-30, Jan 76 (Eng) \*DL/76AUG545

EQUINE SERUM LIPIDS: SERUM LIPIDS AND GLUCOSE IN MORGAN AND THOROUGHBRED HORSES AND SHETLAND PONIES. Robie SM, Janson CH, Smith SC, O'Connor JT Jr *Am J Vet Res* 36: 1705-8, Dec 75 (Eng) \*DL/76AUG612

SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION. Thorogood M, Mann JI *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774

SERUM LIPID LEVELS AND THEIR RELATIONSHIP WITH ISCHEMIC HEART DISEASE IN PIGS. Arora RB, Tayal G, Tariq M *Recent Adv Stud Cardiac Struct Metab* 3: 795-803, 1973 (Eng) \*DL/76AUG814

## LIPID-STEROL INTERACTION

LIPID-STEROL INTERACTIONS IN LIPOSOMES AND MEMBRANES. de Kruyff B *Biochem Soc Trans* 3: 618-21, 1975 (Eng) \*DL/76AUG503

## LIPOTROPHIC DIABETES

[LIPOTROPHIC DIABETES] de Dobbeleer G, Dive M, Balasse E *Arch Belg Dermatol* 30: 107-9, Apr-Jun 74 (Fre) DL/76AUG453

## LIPOGENESIS

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. IV. INFLUENCE OF INSULIN AND EPINEPHRINE ON LIPOGENESIS FROM (14C)-U-GLUCOSE. Somer JB, Schwartz CJ *Exp Mol Pathol* 24: 129-41, Apr 76 (Eng) DL/76AUG88

INHIBITION OF RAT AND SHEEP ADIPOSE-TISSUE LIPOGENESIS BY PALMITIC ACID AND LINOLEIC ACID ADDED IN VITRO. Vernon RG *Biochem Soc Trans* 3: 717, 1975 (Eng) \*DL/76AUG504

EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS. Waterman RA, Romos DR, Tsai AC, Miller ER, Leveille GA *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779

## LIPOLYSIS

CYCLOC GUANOSINE 3:5-MONOPHOSPHATE AND THE REGULATION OF LIPOLYSIS IN RAT FAT CELLS. Fain JN, Butcher FR *J Cyclic Nucleotide Res* 2: 71-8, 1976 (Eng) DL/76AUG153

SELECTIVE INHIBITION OF CHOLERA TOXIN- AND CATECHOLAMINE-STIMULATED LIPOLYSIS BY BLOCKING AGENTS. Katz MS, Greenough WB 3d *Infect Immun* 12: 964-8, Nov 75 (Eng) \*DL/76AUG519

## LIPOLYTIC

STEROIDOGENIC AND LIPOLYTIC EFFECTS OF CANNABINOLS IN THE RAT AND THE RABBIT. Maier R, Maitre I *Biochem Pharmacol* 24: 1695-9, 15 Sep 75 (Eng) \*DL/76AUG917

## LIPOPROTEIN

LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS. Daubresse JC, Lerson G, Planteux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

LP(ALPHA) LIPOPROTEIN AND PRE-BETA1-LIPOPROTEIN IN RELATION TO LIPID LEVELS IN MALES. Dahlen G, Berg K, Ericson C, Noer G *Acta Med Scand* 198: 263-7, Oct 75 (Eng) \*DL/76AUG877

## LIPOPROTEIN LIPASE

GLUCOCORTICOID AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT. Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

APPLICATION OF LIPOPROTEIN LIPASE FOR THE ASSAY OF SERUM TRIGLYCERIDE. Sugita M, Isobe M, Hirata F, Inagawa T *Chem Pharm Bull (Tokyo)* 23: 1417-20, Jul 75 (Eng) \*DL/76AUG654

INHIBITION OF LIPOPROTEIN LIPASE BY UREMIC PLASMA, A POSSIBLE CAUSE OF HYPERTRIGLYCERIDEMIA. Murase T, Cattran DC, Rubenstein B, Steiner G *Metabolism* 24: 1279-86, Nov 75 (Eng) \*DL/76AUG745

## LIPOPROTEIN, PLASMA

GLUCOCORTICOID AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT. Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

## LIPOSOME

PENETRATION OF TARGET AREAS IN THE RAT BY LIPOSOME-ASSOCIATED BLEOMYCIN, GLUCOSE OXIDASE AND INSULIN. Dapergolias G, Neerunjan ED, Gregoriadis G *FEBS Lett* 63: 235-9, 1 Apr 76 (Eng) DL/76AUG91

LIPID-STEROL INTERACTIONS IN LIPOSOMES AND MEMBRANES. de Kruyff B *Biochem Soc Trans* 3: 618-21, 1975 (Eng) \*DL/76AUG503

## LIPOSTABIL

INSULIN SECRETION IN PATIENTS WITH CHRONIC HEPATITIS TREATED WITH LIPOSTABIL. Kuska J, Kokot F *Pol Med Sci Hist Bull* 15: 433-8, Jul-Aug 75 (Eng) DL/76AUG305

## LIVER

[METABOLISM OF LIVER POLYPHOSPHOSITIDES IN RATS DURING STIMULATING AND DEPRESSING INFLUENCES ON THE ORGANISM] Kiselev GV, Pavlinova LI *Bull Eksp Biol Med* 80: 40-3, Sep 75 (Rus) DL/76AUG10

CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER. Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69

THE EFFECTS OF INSULIN AND GROWTH HORMONE ON THE RELEASE OF SOMATOMEDIN BY THE ISOLATED RAT LIVER. Daughaday WH, Phillips LS, Mueller MC *Endocrinology* 98: 1214-9, May 76 (Eng) DL/76AUG75

CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD. Kimura K, Kamiyama Y, Ozawa K, Honjo I *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100



## Diabetes Literature—Keyword Index

### LIVER CELL, ISOLATED

**HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIBIA MEANS LIVER IN ORGAN CULTURE.** Brown D, Fleming N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

**PURIFICATION AND PHYSIOLOGICAL ROLE OF A PEPTIDE STABILIZING FACTOR OF RAT LIVER PHOSPHOFRUCTOKINASE.** Dunaway GA, Segal HL *J Biol Chem* 251: 2323-9, 25 Apr 76 (Eng) DL/76AUG133

**AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD.** Uete T, Shimano N, Shimizu S, Morikawa M *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241

**CHANGES IN CATECHOLAMINE- AND GLUCAGON-RESPONSIVE ADENYLATE CYCLASE ACTIVITY IN PRENEOPLASTIC RAT LIVER.** Boyd H, Martin TJ *Mol Pharmacol* 12: 195-202, Mar 76 (Eng) DL/76AUG253

**[LIVER AND DIABETES MELLITUS] Genes SG** *Ter Arkh* 48: 119-28, 1976 (Rus) DL/76AUG350

**[DIABETES MELLITUS AND CONTROL OF PROTEIN BIOSYNTHESIS IN RAT LIVER (AUTHORS TRANSL.)]** Tragl KH *Wien Klin Wochenschr* 87: 349-61, 30 May 75 (Ger) [50] DL/76AUG376

**THE EFFECT OF GLUCAGON ON TOTAL LIVER BLOOD FLOW AFTER OCCLUSION OF THE HEPATIC ARTERY. A STUDY IN ANESTHETIZED, NORMOTENSIVE DOGS.** Darle N, Lim RC, Lindberg B *Acta Chir Scand* 142: 43-6, 1976 (Eng) DL/76AUG397

**LIVER MICROSOMAL BETA-GLUCURONIDASE AND UDP-GLUCURONYLTRANSFERASE.** Schollhammer I, Poll DS, Bickel MH *Enzyme* 20: 269-76, 1975 (Eng) \*DL/76AUG496

**INFLUENCE OF CHOLESTEROL FEEDING ON LIVER MICROSOMAL METABOLISM OF STEROIDS AND BILE ACIDS IN CONVENTIONAL AND GERM-FREE RATS.** Gustafsson BE, Einarsson K, Gustafsson J *J Biol Chem* 250: 8496-502, 10 Nov 75 (Eng) \*DL/76AUG529

**BIOGENESIS OF MICROSOMAL MEMBRANE GLYCOPROTEINS IN RAT LIVER. II. PURIFICATION OF SOLUBLE GLYCOPROTEINS AND THEIR INCORPORATION INTO MICROSOMAL MEMBRANES.** Autuori F, Svensson H, Dallner G *J Cell Biol* 67: 700-14, Dec 75 (Eng) \*DL/76AUG536

**ROLE OF ADRENALS IN THE VITAMIN A-MEDIATED INCREASE IN THE ACTIVITIES OF GLUCONEOGENIC ENZYMES OF RAT LIVER.** Singh N, Ningh VN, Venkatasubramanian TA *Life Sci* 17: 859-65, 15 Sep 75 (Eng) \*DL/76AUG573

**CHANGES IN METABOLITE CONCENTRATION IN THE PLASMA, LIVER AND MUSCLE OF FEED RESTRICTED JAPANESE QUAIL EXPOSED TO COLD.** Thomas VG, George JC *Arch Int Physiol Biochem* 83: 505-18, Aug 75 (Eng) \*DL/76AUG616

**RESPIRATION RATES AND ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: STATE 4-3-4 TRANSITION EXPERIMENTS.** Archbold GP, Farrington CL, McKay AM, Malpress FH *Biochem Soc Trans* 3: 504-7, 1975 (Eng) \*DL/76AUG685

**ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: CHANGE OF MEDIA AND THE STATE-4 JUMP.** Archbold GP, Farrington CL, Malpress FH *Biochem Soc Trans* 3: 507-10, 1975 (Eng) \*DL/76AUG686

**PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANS-**

**LOCATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY.** Haeflner EW, Privett OS *Hoppe Seyler's Z Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692

**THE POSSIBLE ROLE OF PALMITOYL-COA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS.** Panov AV, Konstantinov YM, Lyakhovich VV *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

**INTERACTION OF HOMOGENEOUS MITOCHONDRIAL ATPASE FROM RAT LIVER WITH ADENINE NUCLEOTIDES AND INORGANIC PHOSPHATE.** Pedersen PL *J Supramol Struct* 3: 222-30, 1975 (Eng) \*DL/76AUG739

**NUTRITION EFFECT ON LIVER AND LYSOSOMES. VIII. THE UNDERNOURISHMENT ROLE IN A FOLLOWING SHORT-TERM STARVATION.** Krustev LP, Ibrishimov NI, Popov AA *Acta Histochem (Jena)* 53: 42-57, 1975 (Eng) \*DL/76AUG872

**ETHANOL INDUCED ALTERATION OF MICROSOMAL MEMBRANE BOUND ENZYMES OF RAT LIVER IN VITRO.** Marniemi J, Aitio A, Vainio H *Acta Pharmacol Toxicol (Kbh)* 37: 222-32, Sep 75 (Eng) \*DL/76AUG873

**PROTECTIVE EFFECT OF STEROIDS ON LIVER ISCHEMIA.** Santiago Delpin EA, Figueroa I, Lopez R, Vazquez J *Am Surg* 41: 683-5, Nov 75 (Eng) \*DL/76AUG889

**CYCLOC AMP-LINKED MECHANISMS IN ETHANOL-INDUCED DERANGEMENTS OF METABOLISM IN RAT LIVER AND ADIPOSE TISSUE.** Jauhonen VP, Savolainen MJ, Hassinen IE *Biochem Pharmacol* 24: 1879-83, 15 Oct 75 (Eng) \*DL/76AUG919

### LIVER CELL, ISOLATED

**EFFECT OF FEEDING AND FASTING ON THE EARLY STEPS OF GLUCAGON ACTION IN ISOLATED RAT LIVER CELLS.** Fouchereau-Peron M, Rancou F, Freychet P, Rosselin G *Endocrinology* 98: 755-60, Mar 76 (Eng) DL/76AUG71

### LIVER DISEASE

**A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS.** Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

### LIVER, FATTY

**[SIGNIFICANCE OF FATTY LIVER AS AN EARLY SYMPTOM OF DIABETES MELLITUS AND HYPERLIPOPROTEINEMIAS]** Hanefeld M, Haller H, Renger F, Stotzner H *Dtsch Z Verdau Stoffwechsellkr* 34: 299-300, 1974 (Ger) DL/76AUG65

### LIVER, ISOLATED PERFUSED

**ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION.** Charles MA, Imagawa W, Forsham PH, Grodsky GM *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70

**EFFECT OF FASTING AND INSULIN ON THE GLUCAGON-INDUCED ORTHOPHOSPHATE**

**INCORPORATION TO THE ISOLATED PERFUSED RAT LIVER.** De Venanzi F, Pena F, Jimenez O, De Alvarado H *Proc Soc Exp Biol Med* 152: 47-51, May 76 (Eng) DL/76AUG323

### LIVER METABOLISM

**EFFECT OF POLYCHLORINATED BIPHENYLS AND THIAMIN DEFICIENCY ON LIVER METABOLISM IN GROWING RATS.** Berdaniel CD, Tobin RB, Nielsen RC, Mehlman MA, Veech RL *J Toxicol Environ Health* 1: 91-105, Sep 75 (Eng) \*DL/76AUG732

### LIVER MICROSOME

**THE TRANSFER OF GLUCOSE TO STEROIDS BY CHIMPANZEE LIVER MICROSOMES.** Labow RS, Williamson DG, Layne DS, Collins DC *Can J Biochem* 53: 1028-30, Sep 75 (Eng) \*DL/76AUG652

### LIVER, PERFUSED

**AN ANOMALY OF INSULIN REMOVAL IN PERFUSED LIVERS OF OBESE-HYPERGLYCEMIC (OB/OB) MICE.** Karakash C, Assimacopoulos-Jeannet F, Jeanrenaud B *J Clin Invest* 57: 1117-24, May 76 (Eng) DL/76AUG148

**STIMULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) ACTIVITY BY LOW CONCENTRATIONS OF CIRCULATING GLUCOSE IN PERFUSED RAT LIVER.** Moreno FJ, Sanchez-Urrutia L, Medina JM, Sanchez-Medina F, Mayor F *Biochem J* 150: 51-8, Jul 75 (Eng) \*DL/76AUG620

### LOAD

**[GLYCEMIA AND THE LEVELS OF FREE FATTY ACIDS IN SMALL-FOR-DATE BORN INFANTS AFTER MONOSACCHARIDE LOAD. COMMUNICATION I (AUTHORS TRANSL.)]** Szotowa W, Kantoch Z, Rodkiewicz B, Rola-Janicki A *Probl Med Wieku Rozwoj* 5: 75-81, 1975 (Pol) DL/76AUG316

### LOADING, CARDIAC

**PROTEIN DEGRADATION IN ACUTE CARDIAC LOADING: THE PROBLEM OF REUTILIZATION OF AMINO ACIDS.** Schreiber SS, Oratz M, Klein I, Rothschild MA *Recent Adv Stud Cardiac Struct Metab* 3: 589-601, 1973 (Eng) \*DL/76AUG806

### LOCOMOTOR ACTIVITY

**INFLUENCE OF PHENOXYBENZAMINE ON METHAMPHETAMINE-INDUCED CHANGES IN LOCOMOTOR ACTIVITY, OXYGEN CONSUMPTION, BODY TEMPERATURE AND SOME METABOLIC PARAMETERS.** Estler CJ *Neuropharmacology* 14: 779-83, Oct 75 (Eng) \*DL/76AUG577

### LONDON

**PREVENTION OF CORONARY HEART DISEASE. REPORT OF A JOINT WORKING PARTY OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND THE BRITISH CARDIAC SOCIETY.** Anonymous JR *Coll Physicians Lond* 10: 213-75, Apr 76 (Eng) DL/76AUG200

### LONG TERM CARE

**[LONG-TERM CARE OF DIABETIC CHILDREN]** Weber B *Monatsschr Kinderheilkd* 124: 185-8, Apr 76 (Ger) DL/76AUG255

LUBLIN

[REGISTRATION OF CASES OF MYOCARDIAL INFARCT IN WARSAW AND LUBLIN. PREVIOUS MEDICAL HISTORY] Zespłowa P *Pol Tyg Lek* 31: 393-7, 8 Mar 76 (Pol) DL/76AUG302

LUCIFERASE, BACTERIAL

DETERMINATION OF D-3-HYDROXYBUTYRATE DEHYDROGENASE IN MOUSE PANCREATIC ISLETS WITH A PHOTOKINETIC TECHNIQUE USING BACTERIAL LUCIFERASE. Berne C *Enzyme* 21: 127-36, 1976 (Eng) DL/76AUG84

LUMBAR INTERVERTEBRAL DISC

FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO. Maroudas A, Stockwell RA, Nachemson A, Urban J *J Anat* 120: 113-30, Sep 75 (Eng) \*DL/76AUG706

LUNG

STUDY OF GROWTH HORMONE SECRETION IN LUNG CARCINOMA. Claeys-De Clercq P, Levin S, Borkowski A *Eur J Cancer* 11: 565-9, Aug 75 (Eng) DL/76AUG85

LUTEINIZING HORMONE

DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS. Ramirez VD, Gautron JP, Epelbaum J, Pattou E, Zamora A, Kordon C *Mol Cell Endocrinol* 3: 339-50, Nov 75 (Eng) \*DL/76AUG508

EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN. Lai S, Tolis G, Martin SB, Brown GM, Guyda H *J Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

EFFECT OF FSH AND LH ON THE GLYCOGEN CONCENTRATION IN TESTIS OF INTACT AND HYPOPHYSECTOMIZED RATS. Leiderman B, Mancini RE *Acta Physiol Lat Am* 24: 205-11, 1974 (Eng) \*DL/76AUG875

LYMPH

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prohl H, Messmer K, Bucklein R, Lob G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

LYMPHATIC

SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG. Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 215-20, Sep-Dec 74 (Eng) DL/76AUG129

LYMPHATIC LEUKEMIA, CHRONIC

FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY. Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

LYMPHOCYTE

COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST. Papic Z, Katona G, Crepinko I, Skrabalo Z *Acta Diabetol Lat* 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

RECOGNITION OF ANTIGEN BY B AND T LYMPHOCYTES. Roelants GE *Adv Exp Med Biol* 66: 409-12, 1976 (Eng) DL/76AUG422

LYMPHOMA P1798 CELL

DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS. Roldan A, Stevens J, Hollander VP *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321

LYOPHILIZED

AN EXAMPLE OF LYOPHILIZED PROTEIN-BASED MATERIALS NOT SIMULATING PATIENT SERA. Steele BW, Koehler DF, Blaszkowski TP, Azar M *Clin Chem* 21: 1812-4, Nov 75 (Eng) \*DL/76AUG659

LYSINE UPTAKE

EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS. Reiser S, Michaelis OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777

LYSOSOMAL ENZYME

INITIAL EVENTS IN RADIATION-INDUCED ATHEROMATOSIS I. ACTIVATION OF LYSOSOMAL ENZYMES. Konings AW, Hardonk MJ, Wieringa RA, Lamberts HB *Strahlentherapie* 150: 444-8, Oct 75 (Eng) \*DL/76AUG856

LYSOSOME

NUTRITION EFFECT ON LIVER AND LYSOSOMES. VIII. THE UNDERNOURISHMENT ROLE IN A FOLLOWING SHORT-TERM STARVATION. Krustev LP, Ibrishimov NI, Popov AA *Acta Histochem (Jena)* 53: 42-57, 1975 (Eng) \*DL/76AUG872

LYSOZYME

LYSOZYME ACTIVITY IN CEREBROSPINAL FLUID. Reitamo S, Klockars M *Acta Med Scand* 199: 321-5, 1976 (Eng) DL/76AUG420

ALPHA-2-MACROGLOBULIN

LETTER: ALPHA-2 MACROGLOBULIN AND REDUCED BASEMENT-MEMBRANE DEGRADATION IN DIABETES. Wardle EN *Lancet* 1: 963-4, 1 May 76 (Eng) DL/76AUG231

MACROLID ANTIBIOTIC

[MACROLID ANTIBIOTICS AND ADRENALIN-INDUCED HYPERGLYCEMIA] Hugues FC, Julien D *Therapie* 30: 455-7, May-Jun 75 (Fre) DL/76AUG352

MACULOPATHY, CYSTOID

CYSTOID MACULOPATHY IN DIABETICS. Patz A *Arch Ophthalmol* 94: 761-8, May 76 (Eng) DL/76AUG464

MAGNESIUM

[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES] Milewicz A, Stepień-Dobrowolska M, Szklarz E, Glebowska H, Gładysz A, Czarowska J *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

[CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA] Hadlich M, Kolb E *Arch Exp Veterinaarmed* 29: 379-95, Jun 75 (Ger) \*DL/76AUG904

MAGNESIUM ION

INHIBITION OF SODIUM-POTASSIUM-ACTIVATED ADENOSINE TRIPHOSPHATASE BY K<sub>2</sub>Mg<sub>2</sub>ASPARTATE. Fedulesova M, Dzurba A, Ziegelhoffer A *Recent Adv Stud Cardiac Struct Metab* 4: 155-9, 1974 (Eng) \*DL/76AUG819

MAGNETIC RELAXATION

PROTON MAGNETIC RELAXATION STUDIES OF THE INTERACTION OF D-XULOSE AND XYLITOL WITH D-XULOSE ISOMERASE. CHARACTERIZATION OF METAL-ENZYME-SUBSTRATE INTERACTIONS. Young JM, Schray KJ, Mildvan AS *J Biol Chem* 250: 9021-7, 10 Dec 75 (Eng) \*DL/76AUG531

MALARIA

CHLOROQUINE RESISTANCE IN MALARIA: VARIATIONS OF SUBSTRATE-STIMULATED CHLOROQUINE ACCUMULATION. Fitch CD, Chevli R, Gonzalez Y *J Pharmacol Exp Ther* 195: 389-96, Dec 75 (Eng) \*DL/76AUG551

MALEATE

EFFECTS OF MALEATE ON RENAL CARBOHYDRATE METABOLISM IN VIVO AND IN VITRO. Rogulski J, Strzelecki T, Pacanis A, Kaminska E, Angielski S *Curr Probl Clin Biochem* 4: 106-10, 1975 (Eng) \*DL/76AUG483

MALFORMATION, CONGENITAL

FACTORS AFFECTING RISKS OF CONGENITAL MALFORMATIONS. II. EFFECT OF MATERNAL DIABETES ON CONGENITAL MALFORMATIONS. Chung CS, Myrianthopoulos NC *Birth Defects* 11: 23-38, 1975 (Eng) [36] DL/76AUG8

MALIGNANT

EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES. PP. 129-47. McCarty KS Jr, McCarty KS Sr In: Hess M, ed. *Electron microscopic concepts of secretion*. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG164

[CELLULAR SURFACES. NEW RESULTS IN NORMAL AND MALIGNANT CELLS] Roth J *Hippokrat* 46: 427-44, Nov 75 (Ger) \*DL/76AUG522

MALTOSE

THE METABOLISM OF INFUSED MALTOSE AND OTHER SUGARS. PP. 73-99. Young EA, Weser E In: Jeanes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [88] DL/76AUG176

## Diabetes Literature—Keyword Index

### MAMMARY

#### MAMMARY

INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA. Harmon JT, Hill R J *Supramol Struct* 4: 233-40, 1976 (Eng) DL/76AUG222

#### MAMMARY GLAND

POLYAMINE TRANSPORT AND METABOLISM IN MOUSE MAMMARY GLAND. GENERAL PROPERTIES AND HORMONAL REGULATION. Kano K, Oka T J *Biol Chem* 251: 2795-800, 10 May 76 (Eng) DL/76AUG135

EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES. PP. 129-47. McCarty KS Jr, McCarty KS Sr In: *Ino Hess M, ed. Electron microscopic concepts of secretion*. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG164

#### MANAGEMENT

THE SURGICAL MANAGEMENT OF PERIPHERAL VASCULAR DISEASE IN DIABETES MELLITUS. Hershey FB *Compr Ther* 1: 30-5, May 75 (Eng) DL/76AUG54

THE MANAGEMENT OF DIABETIC FOOT PROBLEMS. Marcove RC *Compr Ther* 1: 36-9, May 75 (Eng) DL/76AUG55

LETTER: MANAGEMENT OF KETOACIDOSIS IN CHILDREN. Amato RS N *Engl J Med* 294: 1405-6, 17 Jun 76 (Eng) DL/76AUG270

#### MANGANESE CHLORIDE TOXICITY

[EXPERIMENTAL STUDY OF MANGANESE CHLORIDE TOXICITY] Pashinskii VG, Tuzlov AP, Rassokhin VM, Areleva AK, Sedova KS *Farmakol Toksikol* 38: 618-20, Sep-Oct 75 (Rus) \*DL/76AUG680

#### MANNANS

PHYSIOLOGICAL EFFECTS OF MANNANS, GALACTOMANNANS, AND GLUCOMANNANS. PP. 296-311. Davis SE, Lewis BA In: *O Jeunes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [103] DL/76AUG175

#### MANNITOL

CONVERSION OF SORBITOL TO MANNITOL WHEN USED PARENTERALLY. Soummerdauphant AM, Chambon P, Chabert JM *Clin Chim Acta* 67: 325-8, 15 Mar 76 (Eng) DL/76AUG42

EFFECT OF MANNITOL ON MITOCHONDRIAL MORPHOLOGY IN HYPoxic MYOCARDIUM. Caulfield JB, Willerson JT, Weisfeldt ML, Powell WJ Jr *Recent Adv Stud Cardiac Struct Metab* 3: 753-62, 1973 (Eng) \*DL/76AUG811

#### MANNITOL EXCRETION

MANNITOL EXCRETION IN GALACTOSEMIA PATIENTS. Ng WG, Donnell GN, Bergren WR *Clin Chim Acta* 64: 39-44, 1 Oct 75 (Eng) \*DL/76AUG660

#### MASS SCREENING

TREADMILL EXERCISE TESTING OF MASS SCREENING FOR CORONARY RISK FACTORS. Allen WH, Aronow WS, De Cristofaro D *Cathet Cardiovasc Diagn* 2: 39-48, 1976 (Eng) DL/76AUG32

### MATURITY ONSET DIABETES MELLITUS

VASCULITIS IN MATURITY-ONSET DIABETES MELLITUS. Barner HB *JAMA* 235: 2495, 7 Jun 76 (Eng) DL/76AUG208

COMPARATIVE STUDY OF GLIBENCLAMIDE & CHLORPROPAMIDE IN NEWLY DIAGNOSED MATURITY ONSET DIABETICS. Haider Z, Obaidullah S, Fayyaz-ud-Din *JPM* 26: 23-6, Feb 76 (Eng) DL/76AUG210

#### MAURIACS SYNDROME

[MAURIACS SYNDROME] Salii AP *Vrach Delo* 78-9, Feb 76 (Rus) DL/76AUG366

#### MEAL

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPLANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

[EFFECT OF ALFALFA MEAL ON EXPERIMENTAL HYPERLIPIDEMIA] Yanaura S, Sakamoto M *Folia Pharmacol Jpn* 71: 387-93, Jul 75 (Jpn) \*DL/76AUG511

#### MEDICAL EXAMINATION

[DETECTION AND PREVENTIVE MEDICAL EXAMINATION OF CHILDREN WITH A HEAVY HISTORY IN CONNECTION WITH DIABETES MELLITUS] Khodorovskaia IK, Bakhareva TP *Vopr Okhr Materin Det* 20: 87, Sep 75 (Rus) DL/76AUG365

#### MEDICINE

MEDICINE AND THE LAW. CAN TRAUMA TRIGGER LATENT DIABETES. Reveno WS *Postgrad Med* 59: 231-5, Apr 76 (Eng) DL/76AUG310

OPHTHALMOLOGY IN PREVENTIVE AND PREDICTIVE MEDICINE. Raiford MB *Ann Ophthalmol* 7: 1541-5, Dec 75 (Eng) [24] DL/76AUG450

#### MEDIUM CHAIN

[HISTOCHEMICAL STUDY OF MEDIUM-CHAIN, NEUTRAL FAT, GLUCOSE AND IRON UPTAKE IN THE INTESTINAL-TYPE EPITHELIAL CELLS OF THE GASTRIC MUCOSA] Katsu K, Maezawa H, Odakura T *Jpn J Gastroenterol* 72: 838-45, Jul 75 (Jpn) \*DL/76AUG560

#### MEDULLA

GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA. Mulvehill JB, Hui YS, Barnes LD, Palumbo PJ, Dousa TP *J Clin Endocrinol Metab* 42: 380-4, Feb 76 (Eng) DL/76AUG143

#### MEMBRANE

ACTIVITY OF HUMAN ADENYLATE CYCLASE FROM HUMAN FAT CELL MEMBRANES. Poupon R *Biomedicine [Express]* 23: 438-42, 20 Dec 75 (Eng) DL/76AUG5

LIPID-STEROL INTERACTIONS IN LIPOSOMES AND MEMBRANES. de Kruijff B *Biochem Soc Trans* 3: 618-21, 1975 (Eng) \*DL/76AUG503

PATTERNS OF FATTY ACID RELEASE FROM ENDOGENOUS SUBSTRATES BY HUMAN PLATELET HOMOGENATES AND MEM-

BRANES. Derksen A, Cohen P *J Biol Chem* 250: 9342-7, 25 Dec 75 (Eng) \*DL/76AUG534

DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX. Kinne R, Shlatz LJ, Kinne-Saffran E, Schwartz IL *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

FURTHER CHARACTERIZATION OF THE ASSOCIATION OF GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE WITH RETICULOCYTE MEMBRANES. Letko G, Bohnensack R *Acta Biol Med Ger* 34: 1145-51, 1975 (Eng) \*DL/76AUG596

MEMBRANE EFFECTS ON HEPATIC MICROSOMAL GLUCOSE-6-PHOSPHATASE. Gratzl M *Hoppe Seyler's Z Physiol Chem* 356: 861-5, Jun 75 (Eng) \*DL/76AUG694

FATTY ACIDS AS MODULATORS OF MEMBRANE FUNCTIONS: CATECHOLAMINE-ACTIVATED ADENYLATE CYCLASE OF THE TURKEY ERYTHROCYTE. Orly J, Schramm M *Proc Natl Acad Sci USA* 72: 3433-7, Sep 75 (Eng) \*DL/76AUG763

THE APPLICATION OF FLUORESCENT PROBES IN MEMBRANE STUDIES. Azzi A *Q Rev Biophys* 8: 237-316, May 75 (Eng) [242] \*DL/76AUG787

MEMBRANE NA<sup>+</sup>-K<sup>+</sup>-ATPASE AND ELECTROMECHANICS OF HUMAN HEART. Prasad K *Recent Adv Stud Cardiac Struct Metab* 4: 91-105, 1974 (Eng) \*DL/76AUG826

#### MEMBRANE, BILEAFLET

MODIFICATION OF INTENSITY AND DIRECTION OF ELECTRON FLOW ACROSS BILEAFLET MEMBRANES. Chen CH, Berns DS *Proc Natl Acad Sci USA* 72: 3407-11, Sep 75 (Eng) \*DL/76AUG762

#### MEMBRANE, BIOLOGICAL

BROWNIAN MOTION IN BIOLOGICAL MEMBRANES. Saffman PG, Delbruck M *Proc Natl Acad Sci USA* 72: 3111-3, Aug 75 (Eng) \*DL/76AUG761

LIPID OXIDATION IN BIOLOGICAL MEMBRANES. ELECTRON TRANSFER PROTEINS AS INITIATORS OF LIPID AUTOXIDATION. Kaschnitz RM, Hatefi Y *Arch Biochem Biophys* 171: 292-304, Nov 75 (Eng) \*DL/76AUG897

#### MEMBRANE BOUND ENZYME

MEMBRANE FLUIDITY AND THE REGULATION OF MEMBRANE-BOUND ENZYMES. Vessey DA, Zakim D *Horiz Biochem Biophys* 1: 138-74, 1974 (Eng) [39] \*DL/76AUG697

#### MEMBRANE, BRUSH BORDER

ISOLATION OF GLUCOSE BINDING PROTEIN FROM BRUSH BORDER MEMBRANES OF RAT KIDNEY CORTEX. Thomas I. *Curr Probl Clin Biochem* 4: 51-5, 1975 (Eng) \*DL/76AUG492

#### MEMBRANE, CELL

COOPERATIVE PROPERTIES OF HORMONE RECEPTORS IN CELL MEMBRANES. De Meyts P *J Supramol Struct* 4: 241-58, 1976 (Eng) DL/76AUG223

MECHANISM OF NUCLEOTIDE INHIBITION OF GONADOTROPIN BINDING TO CELL MEMBRANES OF BOVINE CORPUS LUTEUM. Rao CV *Mol Cell Endocrinol* 3: 255-71, Oct 75 (Eng) \*DL/76AUG507

PERMEABILITY CHARACTERISTICS OF THE ADIPOCYTE CELL MEMBRANE AND PARTI-

**TIONING CHARACTERISTICS OF THE ADIPOCYTE TRIGLYCERIDE CORE.** Sherill BC, Dietschy JM *J Membr Biol* 23: 367-83, 1975 (Eng) \*DL/76AUG558

**ACTIVE AND PASSIVE CA<sup>2+</sup> FLUXES ACROSS CELL MEMBRANES OF THE GUINEA-PIG TAENIA COLI.** Casteels R, Van Breemen C *Pfluegers Arch* 359: 197-207, 9 Sep 75 (Eng) \*DL/76AUG759

**PHASE TRANSITIONS AND FLUIDITY CHARACTERISTICS OF LIPIDS AND CELL MEMBRANES.** Chapman D *Q Rev Biophys* 8: 185-235, May 75 (Eng) [246] \*DL/76AUG786

**PROPERTIES OF FOLLICLE-STIMULATING-HORMONE RECEPTOR IN CELL MEMBRANES OF BOVINE TESTIS.** Cheng KW *Biochem J* 149: 123-32, Jul 75 (Eng) \*DL/76AUG912

## MEMBRANE, ESCHERICHIA COLI CELL

**ATP SYNTHESIS DRIVEN BY PROTONMOTIVE FORCE IMPOSED ACROSS ESCHERICHIA COLI CELL MEMBRANES.** Grinius L, Slusnyte R, Griniuvienė B *FEBS Lett* 57: 290-3, 1 Oct 75 (Eng) \*DL/76AUG681

## MEMBRANE, EXCITABLE

**EVIDENCE FOR IONIC PORES IN EXCITABLE MEMBRANES.** Armstrong CM *Biophys J* 15: 932-3, Sep 75 (Eng) \*DL/76AUG634

## MEMBRANE LIPID

**STUDIES ON THE ASYMMETRIC ARRANGEMENT OF MEMBRANE-LIPID-ENVELOPED VIRIONS AS A MODEL SYSTEM.** Stoffel W, Anderson R, Stahl J *Hoppe Seylers Z Physiol Chem* 356: 1123-9, Jul 75 (Eng) \*DL/76AUG518

## MEMBRANE, LIVER PLASMA

**LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE.** Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

## MEMBRANE, MICROSOMAL

**BIOGENESIS OF MICROSOMAL MEMBRANE GLYCOPROTEINS IN RAT LIVER. II. PURIFICATION OF SOLUBLE GLYCOPROTEINS AND THEIR INCORPORATION INTO MICROSOMAL MEMBRANES.** Autuori F, Svensson H, Dallner G *J Cell Biol* 67: 700-14, Dec 75 (Eng) \*DL/76AUG536

**ETHANOL INDUCED ALTERATION OF MICROSOMAL MEMBRANE BOUND ENZYMES OF RAT LIVER IN VITRO.** Marniemi J, Aitio A, Vainio H *Acta Pharmacol Toxicol (Kbh)* 37: 222-32, Sep 75 (Eng) \*DL/76AUG873

## MEMBRANE, MITOCHONDRIAL

**THE ROLE OF UNSATURATED FATTY ACIDS IN MITOCHONDRIAL MEMBRANE FUNCTIONS.** Haslam JM, Fellows NF *Biochem Soc Trans* 3: 772-5, 1975 (Eng) \*DL/76AUG506

**CHARGE SEPARATION AND ENERGY TRANSFER IN THE MITOCHONDRIAL MEMBRANE.** Papa S, Guerrrieri F, Lorusso M *Biophys J* 15: 963-7, Sep 75 (Eng) \*DL/76AUG638

**BINDING OF CARDIOLIPIN/LECITHIN AND MONOAMINE OXIDASE TO LIPID-DEPLETED MITOCHONDRIAL MEMBRANE STRUCTURE.** Ekstedt B, Olivecrona T, Orelund L *Arch Biochem Biophys* 171: 170-5, Nov 75 (Eng) \*DL/76AUG896

## MEMBRANE, MYOCARDIAL CELL

**ADENOSINE 3,5-MONOPHOSPHATE, THE MYOCARDIAL CELL MEMBRANE, AND CALCIUM.** Wollenberger A, Will H, Krause EG, Wollenberger A, Will H, Krause EG *Recent Adv Stud Cardiac Struct Metab* 5: 81-93, 1975 (Eng) [35] \*DL/76AUG836

## MEMBRANE PERMEABILITY

**MEMBRANE PERMEABILITY AS A CAUSE OF TRANSPORT DEFECTS IN EXPERIMENTAL FANCONI SYNDROME. A NEW HYPOTHESIS.** Bergeron M, Dubord L, Hausser C, Schwab C *J Clin Invest* 57: 1181-9, May 76 (Eng) DL/76AUG150

## MEMBRANE, PHOSPHOLIPID

**CALCIUM-INDUCED PHASE SEPARATION AND FUSION IN PHOSPHOLIPID MEMBRANES.** Papahadjopoulos D, Poste G *Biophys J* 15: 945-8, Sep 75 (Eng) \*DL/76AUG636

## MEMBRANE, PLASMA

**YEAST PLASMA MEMBRANE VESICLES SUITABLE FOR TRANSPORT STUDIES.** Wehrli E, Boehm C, Fuhrmann GF *J Bacteriol* 124: 1594-7, Dec 75 (Eng) \*DL/76AUG525

**SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES.** Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

**DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX.** Kinne R, Shlatz LJ, Kinne-Saffran E, Schwartz IL *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

**STRUCTURE AND ACTIVE TRANSPORT IN THE PLASMA MEMBRANE OF THE TUBULES OF FROG KIDNEY.** Bresler VM, Bresler SE, Nikiforov AA *Biochim Biophys Acta* 406: 526-37, 3 Nov 75 (Eng) \*DL/76AUG631

**ELECTROGENIC PROTON TRANSPORT IN THE PLASMA MEMBRANE OF NEUROSPORA.** Slayman CL, Gradmann D *Biophys J* 15: 968-71, Sep 75 (Eng) \*DL/76AUG639

**ADENOSINE-3:5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME.** Azhar S, Menon KM *Eur J Biochem* 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674

**MAMMALIAN PLASMA MEMBRANES.** Bretscher MS, Raff MC *Nature* 258: 43-9, 6 Nov 75 (Eng) [84] \*DL/76AUG753

## MEMBRANE TRANSPORT

**KINETIC ANALYSIS OF ACTIVE MEMBRANE TRANSPORT SYSTEMS: EQUATIONS FOR NET VELOCITY AND ISOTOPE EXCHANGE.** Cuppoletti J, Segel IH *J Theor Biol* 53: 125-44, Sep 75 (Eng) \*DL/76AUG564

## MEMBRANE VESICLE

**TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. I. ISOLATION AND GENERAL CHARACTERISTICS.** Fedotov NS, Panchenko LF, Logachev AP, Bekkouzhin AG, Tarshis MA *Folia Microbiol (Praha)* 20: 470-9, 1975 (Eng) \*DL/76AUG512

**TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. II. KINETIC CHARACTERISTICS AND SPECIFICITY OF GLUCOSE TRANSPORT SYSTEM.** Panchenko LF, Fedotov NS, Tarshis MA *Folia Microbiol (Praha)* 20: 480-7, 1975 (Eng) \*DL/76AUG513

**TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. III. EVIDENCE OF ACTIVE NATURE OF GLUCOSE TRANSPORT.** Fedotov NS, Panchenko LF, Tarshis MA *Folia Microbiol (Praha)* 20: 488-95, 1975 (Eng) \*DL/76AUG514

**ACTIVE TRANSPORT IN ESCHERICHIA COLI B MEMBRANE VESICLES. DIFFERENTIAL INACTIVATING EFFECTS FROM THE ENZY-MATIC OXIDATION OF BETA-CHLORO-L-ALANINE AND BETA-CHLORO-D-ALANINE.** Kaczorowski G, Shaw L, Laura R, Walsh C *J Biol Chem* 250: 8921-30, 10 Dec 75 (Eng) \*DL/76AUG530

## MENSTRUAL CYCLE

**[HISTOCHEMICAL STUDY OF THE ENZYMES OF GLYCOGEN METABOLISM IN THE HUMAN ENDOMETRIUM DURING THE NORMAL MENSTRUAL CYCLE]** Prishnikov VA *Arch Anat Gistol Embriol* 68: 63-6, Apr 75 (Rus) \*DL/76AUG907

## MENTAL DEVELOPMENT

**[SOMATIC AND MENTAL DEVELOPMENT OF CHILDREN FROM DIABETIC MOTHERS: RESULTS OF A FOLLOW-UP AT AGES BETWEEN 4 TO 16 YEARS]** Amendt P *Acta Paediatr Acad Sci Hung* 16: 299-315, 1975 (Ger) DL/76AUG416

## MENTAL RETARDATION

**X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS.** Abe K, Matsuda I, Matsuura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

## 3-MERCAPTOPYICOLINIC ACID

**THE EFFECT OF 3-MERCAPTOPYICOLINIC ACID ON PHOSPHOENOLPYRUVATE CARBOXYKINASE (GTP) IN THE RAT AND GUINEA PIG.** Kostos V, DiTullio NW, Rush J, Cieslinski L, Saunders HL *Arch Biochem Biophys* 171: 459-65, Dec 75 (Eng) \*DL/76AUG614

## METABOLIC ALTERATION

**HEMODYNAMIC AND METABOLIC ALTERATIONS IN PERIPHERAL TISSUE DURING HEMORRHAGIC SHOCK.** Shearburn EW 3d, Craig WD, Maitland CL, Howard PL, McCoy S, Drucker WR *Am Surg* 41: 696-703, Nov 75 (Eng) \*DL/76AUG890

## METABOLIC BEHAVIOR

**[METABOLIC BEHAVIOR AND UTILIZATION OF PARENTERALLY ADMINISTERED CARBOHYDRATES IN THE POSTOPERATIVE PHASE]** Dolp R, Grab E, Knoche E, Ahnefeld



## Diabetes Literature—Keyword Index

### METALLOENZYME

FW Infusionstherapie 2: 103-10, Apr 75 (Ger)  
\*DL/76AUG699

### METALLOENZYME

A STUDY OF THE METABOLISM OF ZINC ITS METALLOENZYMES IN DIABETES MELLITUS. Mateo MC, Bustamante JB, Quiros JF, Manchado OO Biomedicine [Express] 23: 134-6, 30 Apr 75 (Eng) DL/76AUG7

### METASTATIC CARCINOMA

ALTERED GLUCOSE METABOLISM IN METASTATIC CARCINOMA. Holroyde CP, Gabuzda TG, Putnam RC, Paul P, Reichard GA Cancer Res 35: 3710-4, Dec 75 (Eng) \*DL/76AUG477

### METFORMIN

[LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN] Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R Nouv Presse Med 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298

### METHAMPHETAMINE

INFLUENCE OF PHENOXYBENZAMINE ON METHAMPHETAMINE-INDUCED CHANGES IN LOCOMOTOR ACTIVITY, OXYGEN CONSUMPTION, BODY TEMPERATURE AND SOME METABOLIC PARAMETERS. Estler CJ Neuropharmacology 14: 779-83, Oct 75 (Eng) \*DL/76AUG577

### METHEMOGLOBINEMIA

[ADAPTATION OF RATS FOLLOWING SODIUM-NITRITE-INDUCED METHEMOGLOBINEMIA] Pankow D, Ponsold W, Liedke MD, Gessner G, Pfordte A Acta Biol Med Ger 34: 1205-9, 1975 (Ger) \*DL/76AUG597

### METHYLDOPA

GROWTH HORMONE AND CORTISOL SECRETION AFTER ORAL AND INTRAVENOUS ADMINISTRATION OF METHYLDOPA. Syvalahti E, Seppala PO, Iisalo E Acta Pharmacol Toxicol (Kbh) 37: 257-64, Sep 75 (Eng) \*DL/76AUG874

### 3-O-METHYL-D-GLUCOSE

THE EFFECT OF 2-DEOXY-D-GLUCOSE AND 3-O-METHYL-D-GLUCOSE ON MUCOSUBSTANCE SECRETION IN CELL CULTURE. Duguid R, Marsden JC Biochem Soc Trans 3: 498-9, 1975 (Eng) \*DL/76AUG684

### METHYLPREDNISOLONE

[A FURTHER CASE OF MALIGNANT HYPERTENSIA AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (PROVERATRIL) (AUTHORS TRANSL.)] Cosgrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E Anesthesist 25: 80-1, Feb 76 (Ger) DL/76AUG446

### METHYLXANTHINE

INTERACTION OF FOUR METHYLXANTHINE COMPOUNDS AND NOREPINEPHRINE ON CARDIAC PHOSPHORYLASE ACTIVATION AND CARDIAC CONTRACTILITY. McNeill JH, Brenner MJ, Muschek LD Recent Adv Stud Cardiac Struct Metab 3: 261-73, 1973 (Eng) \*DL/76AUG795

### MICHIGAN

CORONARY RISK FACTORS IN A COMMUNITY. FINDINGS IN TECUMSEH, MICHIGAN. Ostrander LD Jr, Lamphiear DE Circulation 53: 152-6, Jan 76 (Eng) \*DL/76AUG478

### MICROANGIOPATHY

[DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE I. COMPARISON OF THE 2 DIAGNOSTIC METHODS] Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Palumieri E, Passeri M G Clin Med 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99

[VASCULAR HYALINOSIS IN DIABETIC MICROANGIOPATHY] Saltykov BB, Malkina LA Arkh Patol 37: 38-44, 1975 (Rus) DL/76AUG463

### MICROCIRCULATION

[EFFECTS OF GLUCAGON ON THE GASTRIC MICROCIRCULATION OF THE RAT] Gogol PP, Dodi G, Zanon GF Chir Patol Sper 23: 111-4, Jun 75 (Ita) DL/76AUG61

### MICROFILAMENT

TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOHYPOPHYSEAL CELLS. PP. 287-98. Horvath E, Kovacs K, Stratmann IE, Ezrin C In Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG165

### MICROMETHOD

[A MICROMETHOD FOR THE DETERMINATION OF GLUCOSE IN 20 MICROLITER SAMPLES WITH THE AUTOANALYZER (AUTHORS TRANSL.)] Holm H, Pianezzi A, Scholer A Z Klin Chem Klin Biochem 13: 541-3, Dec 75 (Ger) \*DL/76AUG594

### MICROPOROUS POLYTETRAFLUOROETHYLENE

THE USE OF EXPANDED MICROPOROUS POLYTETRAFLUOROETHYLENE FOR LIMB SALVAGE: A PRELIMINARY REPORT. Campbell CD, Brooks DH, Webster MW, Bahnson HT Surgery 79: 485-91, May 76 (Eng) DL/76AUG347

### MICROPUNCTURE

REEVALUATION OF MICROPUNCTURE TECHNIQUES: SOME OF THE FACTORS WHICH AFFECT THE RATE OF FLUID ABSORPTION BY THE PROXIMAL TUBULE. Sato K Curr Probl Clin Biochem 4: 175-87, 1975 (Eng) \*DL/76AUG487

### MICROSOMAL MEMBRANE

BIOGENESIS OF MICROSOMAL MEMBRANE GLYCOPROTEINS IN RAT LIVER. II. PURIFICATION OF SOLUBLE GLYCOPROTEINS AND THEIR INCORPORATION INTO MICROSOMAL MEMBRANES. Autuori F, Svensson H, Dallner G J Cell Biol 67: 700-14, Dec 75 (Eng) \*DL/76AUG536

ETHANOL INDUCED ALTERATION OF MICROSOMAL MEMBRANE BOUND ENZYMES OF RAT LIVER IN VITRO. Marniemi J, Aitio A, Vainio H Acta Pharmacol Toxicol (Kbh) 37: 222-32, Sep 75 (Eng) \*DL/76AUG873

### MICROTUBULAR INHIBITOR

A REDUCTION IN ENERGY-DEPENDENT AMINO ACID TRANSPORT BY MICROTUBULAR INHIBITORS IN EHRICH ASCITES TUMOR CELLS. Fyfe MJ, Loftfield S, Goldman ID J Cell Physiol 86: 201-11, Oct 75 (Eng) \*DL/76AUG537

### MICROVILLI

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G J Membr Biol 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

### MIDDLE AGED

CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciuc A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F Rev Roum Med [Med Intern] 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

DETECTION AND CHARACTERIZATION OF MIDDLE-AGED MEN WITH HYPERTENSION. Hedstrand H, Aberg H Acta Med Scand 199: 273-80, 1976 (Eng) DL/76AUG419

### MIGRAINE

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC J Neurol Sci 27: 381-8, Mar 76 (Eng) DL/76AUG197

### MILK

EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES. PP. 129-47. McCarty KS Jr, McCarty KS St In Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG164

INTOLERANCE OF EIGHT OUNCES OF MILK IN HEALTHY LACTOSE-INTOLERANT TEEN-AGERS. Mitchell KJ, Bayless TM, Paige DM, Goodgame RW, Huang SS Pediatrics 56: 718-21, Nov 75 (Eng) \*DL/76AUG581

### MISCLERON

[STUDY OF THE METABOLIC EFFECT OF MISCLERON (CLOFIBRATE) IN ANIMAL EXPERIMENTS] Kramer M, Bedo M, Blaskovits A, Gefferth G, Tarjan R Orv Hetil 116: 2774-8, 23 Nov 75 (Hun) \*DL/76AUG579

### MITOCHONDRIA

THE STADY STATE CONCENTRATIONS OF COENZYME A-SH AND COENZYME A THIOESTER, CITRATE, AND ISOCITRATE DURING TRICARBOXYLATE CYCLE OXIDATIONS IN RABBIT HEART MITOCHONDRIA. Hansford RG, Johnson RN J Biol Chem 250: 8361-75, 10 Nov 75 (Eng) \*DL/76AUG528

MALATE TRANSPORT INTO HEART MITOCHONDRIA. Digerness SB, Reddy WJ J Mol Cell Cardiol 7: 677-84, Sep 75 (Eng) \*DL/76AUG729



**45CA2& ACCUMULATION BY MITOCHONDRIA AND SARCOPLASMIC RETICULUM IN CHRONIC POTASSIUM DEPLETION CARDIOMYOPATHY.** Kim ND, Harrison CE *Recent Adv Stud Cardiac Struct Metab* 4: 551-62, 1974 (Eng) \*DL/76AUG824

**THE ROLE OF MITOCHONDRIA IN THE CONTRACTION-RELAXATION CYCLE AND OTHER CA2&-DEPENDENT ACTIVITIES OF HEART CELLS.** Carafoli E *Recent Adv Stud Cardiac Struct Metab* 5: 151-63, 1975 (Eng) \*DL/76AUG828

**PROTAMINE INHIBITION OF THE OXIDATIVE PHOSPHORYLATION IN INTACT, CYTOCHROME C-DEPLETED AND RESTORED MITOCHONDRIA.** Kossekova GP, Mitovska MI, Dancheva KI *Acta Biol Med Ger* 34: 539-47, 1975 (Eng) \*DL/76AUG870

**OSCILLATORY STATES OF MITOCHONDRIA. INFLUENCE OF UNSATURATED FATTY ACID COMPOSITION.** Williams MA, Katyare S, Packer L *Arch Biochem Biophys* 170: 353-9, Oct 75 (Eng) \*DL/76AUG895

## MITOCHONDRIA, HEART

**RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISOLATED AFTER AORTIC CONSTRICTION, STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT.** Wollenberger A, Kleitke B *Recent Adv Stud Cardiac Struct Metab* 3: 535-50, 1973 (Eng) \*DL/76AUG804

## MITOCHONDRIA, LIVER

**RESPIRATION RATES AND ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: STATE 4-3-4 TRANSITION EXPERIMENTS.** Archbold GP, Farrington CL, McKay AM, Malpress FH *Biochem Soc Trans* 3: 504-7, 1975 (Eng) \*DL/76AUG685

**ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: CHANGE OF MEDIA AND THE STATE-4 JUMP.** Archbold GP, Farrington CL, Malpress FH *Biochem Soc Trans* 3: 507-10, 1975 (Eng) \*DL/76AUG686

**THE POSSIBLE ROLE OF PALMITOYL-CoA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS.** Panov AV, Konstantinov YM, Lyakhovich VV *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

## MITOCHONDRIA, UNCOUPLING

**ENERGY CONSERVATION AND UNCOUPLING IN MITOCHONDRIA.** Hateli Y *J Supramol Struct* 3: 201-13, 1975 (Eng) [29] \*DL/76AUG737

## MITOCHONDRIAL ATPASE

**EXPLORING SITES ON MITOCHONDRIAL ATPASE FOR CATALYSIS, REGULATION, AND INHIBITION.** Lardy HA, Schuster SM, Ebel RE *J Supramol Struct* 3: 214-21, 1975 (Eng) \*DL/76AUG738

**INTERACTION OF HOMOGENEOUS MITOCHONDRIAL ATPASE FROM RAT LIVER WITH ADENINE NUCLEOTIDES AND INORGANIC PHOSPHATE.** Pedersen PL *J Supramol Struct* 3: 222-30, 1975 (Eng) \*DL/76AUG739

## MITOCHONDRIAL CALCIUM

**EFFECTS OF STARVATION ON ISOLATED HEART PERFORMANCE AND MITOCHONDRIAL CALCIUM SEQUESTERING.** Eller RR *Recent Adv Stud Cardiac Struct Metab* 4: 347-57, 1974 (Eng) \*DL/76AUG821

**MITOCHONDRIAL CALCIUM METABOLISM IN ISCHEMIC AND FAILING MYOCARDIUM.** Sordahl LA, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 535-40, 1974 (Eng) \*DL/76AUG822

**ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART.** Dhalla NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Cardiac Struct Metab* 5: 177-87, 1975 (Eng) \*DL/76AUG831

**ROLE OF MITOCHONDRIAL CALCIUM METABOLISM IN THE ALTERED CONTRACTILITY OF PRESSURE-HYPERTROPHIED RIGHT VENTRICULAR MYOCARDIUM.** Sack DW, Cooper G 4th, Stava RM Jr, Coleman HM 3rd, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 195-202, 1975 (Eng) \*DL/76AUG832

## MITOCHONDRIAL CREATINE KINASE

**SOME PROPERTIES OF PIG HEART MITOCHONDRIAL CREATINE KINASE.** Vial C, Gautheron DC *Recent Adv Stud Cardiac Struct Metab* 3: 81-9, 1973 (Eng) \*DL/76AUG815

## MITOCHONDRIAL FUNCTION

**MITOCHONDRIAL FUNCTION AND EXCITATION-CONTRACTION COUPLING IN THE DEVELOPMENT OF ALCOHOLIC CARDIOMYOPATHY.** Pachinger O, Mao J, Fauvel JM, Bing RJ *Recent Adv Stud Cardiac Struct Metab* 3: 423-9, 1975 (Eng) \*DL/76AUG834

## MITOCHONDRIAL GENE

**EFFECTS OF GLUCOSE REPRESSION OF THE TRANSMISSION AND RECOMBINATION OF MITOCHONDRIAL GENES IN YEAST (SACCHAROMYCES CEREVISIAE).** Birky CW Jr *Genetics* 80: 695-709, Aug 75 (Eng) \*DL/76AUG509

## MITOCHONDRIAL, LIVER

**PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANSLATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY.** Haeffner EW, Privett OS *Hoppe Seyler's Z Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692

## MITOCHONDRIAL MEMBRANE

**THE ROLE OF UNSATURATED FATTY ACIDS IN MITOCHONDRIAL MEMBRANE FUNCTIONS.** Haslam JM, Fellows NF *Biochem Soc Trans* 3: 772-5, 1975 (Eng) \*DL/76AUG506

**CHARGE SEPARATION AND ENERGY TRANSFER IN THE MITOCHONDRIAL MEMBRANE.** Papa S, Guerrinetti F, Lorusso M *Biophys J* 15: 963-7, Sep 75 (Eng) \*DL/76AUG638

## MITOCHONDRIAL MORPHOLOGY

**EFFECT OF MANNITOL ON MITOCHONDRIAL MORPHOLOGY IN HYPOXIC MYOCARDIUM.** Caulfield JB, Willerson JT, Weisfield ML, Powell WJ Jr *Recent Adv Stud Cardiac Struct Metab* 3: 753-62, 1973 (Eng) \*DL/76AUG811

## MITOCHONDRIAL PHOSPHATE TRANSPORT

**INHIBITION OF MITOCHONDRIAL PHOSPHATE TRANSPORT BY P-DIAZOBENZENESULFONATE.** Dawson AP *Biochem J* 144: 597-99, Dec 74 (Eng) \*DL/76AUG911

## MITOCHONDRIAL PYRUVATE CARRIER

**THE MITOCHONDRIAL PYRUVATE CARRIER, ITS EXCHANGE PROPERTIES AND ITS REGULATION BY GLUCAGON.** Titheradge MA, Coore HG *FEBS Lett* 63: 45-50, 15 Mar 76 (Eng) DL/76AUG90

## MITOSIS

**ELECTRON MICROSCOPY OF CULTURED MAMMALIAN LENSES. II. CHANGES PRECEDING AND ACCOMPANYING INSULIN-INDUCED MITOSIS.** Reddan JR, Unakar NJ *Invest Ophthalmol* 15: 411-7, May 76 (Eng) DL/76AUG125

## MITOSPORES, GERMINATING

**UPTAKE OF THE GLUCOSE ANALOGUE 2-DEOXYGLUCOSE BY GERMINATING MITOSPORES OF ALLOMYCES MACROGYNUS.** Burke DD *J Bacteriol* 124: 843-8, Nov 75 (Eng) \*DL/76AUG712

## MOD

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## MODEL SYSTEM

**STUDIES ON THE ASYMMETRIC ARRANGEMENT OF MEMBRANE-LIPID-ENVELOPPED VIRIONS AS A MODEL SYSTEM.** Stoffel W, Anderson R, Stahl J *Hoppe Seyler's Z Physiol Chem* 356: 1123-9, Jul 75 (Eng) \*DL/76AUG518

**QUANTITATIVE ASPECTS OF THE REGULATION OF CELLULAR CYCLIC AMP LEVELS. I. STRUCTURE AND KINETICS OF A MODEL SYSTEM.** Davies JJ, Williams PA *J Theor Biol* 53: 1-30, Sep 75 (Eng) \*DL/76AUG562

## MODEL, TWO-CARRIER

**TWO-CARRIER MODELS FOR MEDIATED TRANSPORT. I. THEORETICAL ANALYSIS OF SEVERAL TWO-CARRIER MODELS.** Eilam Y *Biochim Biophys Acta* 401: 349-63, 2 Sep 75 (Eng) \*DL/76AUG622

**TWO-CARRIER MODELS FOR MEDIATED TRANSPORT. II. GLUCOSE AND GALACTOSE EQUILIBRIUM EXCHANGE EXPERIMENTS IN HUMAN ERYTHROCYTES AS A TEST FOR SEVERAL TWO-CARRIER MODELS.** Eilam Y *Biochim Biophys Acta* 401: 364-9, 2 Sep 75 (Eng) \*DL/76AUG623

## MOLECULE, REGULATORY

**HEART HEXOKINASE: QUATERNARY STRUCTURE CHANGES ACCOMPANYING THE BINDING OF REGULATORY MOLECULES.** Easterby JS *Eur J Biochem* 58: 231-5, 1 Oct 75 (Eng) \*DL/76AUG676

## MONAMINE, BRAIN

**THE ROLE OF BRAIN MONAMINES IN THE SUSCEPTIBILITY TO SEIZURES BROUGHT ABOUT BY CHEMICAL AND ELECTRICAL STIMULATIONS.** PP. 259-72. Pfeiffer AK, Unyi G *Ino Lissak K, ed. Hormones and brain function.*

## Diabetes Literature—Keyword Index

### MONITORING

New York, Plenum Press, 1973. WL 300 1631H  
1971. (Eng) DL/76AUG181

### MONITORING

THE PRESENT SITUATION OF CLINICAL  
MONITORING OF THE FETUS DURING  
LABOR. Saling EZ, Dudenhausen JW *J Perinat  
Med* 1: 75-103, 1973 (Eng) [96]  
\*DL/76AUG723

### MONKEY, SQUIRREL

THE EFFECT OF TOBACCO SMOKE AND  
SOME OF ITS CONSTITUENTS ON  
TRIGLYCERIDE SECRETION IN THE  
SQUIRREL MONKEY. Turner DM, Topping  
DL *Res Commun Chem Pathol Pharmacol* 12: 85-  
100, Sep 75 (Eng) \*DL/76AUG838

### MONOAMINE

THE EFFECT OF NUTRITIONAL FACTORS ON  
BRAIN AMINO ACID LEVELS AND  
MONOAMINE SYNTHESIS. Fernstrom JD *Fed  
Proc* 35: 1151-6, Apr 76 (Eng) DL/76AUG92

### MONOAMINE OXIDASE

INHIBITION OF PANCREATIC ISLET  
MONOAMINE OXIDASE BY ADRENERGIC  
ANTAGONISTS AND ETHANOL. Feldman JM  
*Endocr Res Commun* 2: 503-20, 1975 (Eng)  
DL/76AUG67

BINDING OF CARDIOLIPIN/LECITHIN AND  
MONOAMINE OXIDASE TO LIPID-  
DEPLETED MITOCHONDRIAL MEMBRANE  
STRUCTURE. Ekstedt B, Olivecrona T, Oreland  
L *Arch Biochem Biophys* 171: 170-5, Nov 75  
(Eng) \*DL/76AUG896

### MONOCOMPONENT INSULIN

[MONOCOMPONENT INSULIN] Reitsma WD  
*Ned Tijdschr Geneesk* 120: 760-2, 24 Apr 76  
(Dut) DL/76AUG274

CLINICAL ASPECTS OF MONOCOMPONENT  
INSULINS IN THE TREATMENT OF  
DIABETES. Vinik AL, Joffe BI, Seftel HC,  
Distiller LA, Jackson WP *S Afr Med J* 50: 587-  
91, 3 Apr 76 (Eng) DL/76AUG345

### MONOCYTE

DECREASED INSULIN BINDING TO ADIPO-  
CYTES AND CIRCULATING MONOCYTES  
FROM OBESE SUBJECTS. Olefsky JM *J Clin  
Invest* 57: 1165-72, May 76 (Eng)  
DL/76AUG149

### MONOPHOSPHATE

ADENOSINE 35 MONOPHOSPHATE IN EX-  
PERIMENTAL HEMORRHAGIC SHOCK. PP.  
249-50. Rutenburg AM *Int J Kahn RH, Lands  
WE, ed. Prostaglandins and cyclic AMP. New  
York, Academic Press, 1973. QU 90 S991p* 1972.  
(Eng) DL/76AUG178

[ADENOSINE-3, 5-MONOPHOSPHATE IN AM-  
NIOTIC FLUID OF NORMAL AND HIGH-  
RISK PREGNANCY (AUTHORS TRANSL.)]  
Dudenhausen JW, Dudenhausen R *Z  
Geburtshilfe Perinatol* 180: 46-50, Feb 76 (Ger)  
DL/76AUG388

CHANGE IN MYOCARDIAL ADENOSINE 3, 5  
CYCLIC MONOPHOSPHATE DURING THE  
CONTRACTION CYCLE. Brooker G *Recent  
Adv Stud Cardiac Struct Metab* 3: 207-12, 1973  
(Eng) \*DL/76AUG790

### MONOSACCHARIDE

[GLYCEMIA AND THE LEVELS OF FREE  
FATTY ACIDS IN SMALL-FOR-DATE BORN  
INFANTS AFTER MONOSACCHARIDE  
LOAD. COMMUNICATION I (AUTHORS  
TRANSL.)] Sztotowa W, Kantoch Z, Rodkiewicz  
B, Rola-Janicki A *Probl Med Wziku Rozwoj* 5:  
75-81, 1975 (Pol) DL/76AUG316

[THE METABOLISM OF MONOSACCHARIDES  
AND POLYOLS] Forster H *Infusionstherapie* 2:  
187-201, Jun 75 (Ger) \*DL/76AUG701

### MONOSPOT TEST

A POSITIVE MONOSPOT TEST IN A DIABETIC  
WITH SARCOIDOSIS. Lalor BC, Feely J, Drury  
MI *Ir J Med Sci* 145: 58-9, Feb 76 (Eng)  
DL/76AUG126

### MORPHOLOGY

[MORPHOLOGY OF CORONARY HEART DIS-  
EASE (AUTHORS TRANSL.)] Knieriem HJ  
*Radiologe* 16: 84-8, Mar 76 (Ger)  
DL/76AUG329

### MORPHOLOGY, MITOCHONDRIAL

EFFECT OF MANNITOL ON MITOCHONDRI-  
AL MORPHOLOGY IN HYPOXIC MYOCAR-  
DIUM. Caulfield JB, Willerson JT, Weisfeldt  
ML, Powell WJ Jr *Recent Adv Stud Cardiac  
Struct Metab* 3: 753-62, 1973 (Eng)  
\*DL/76AUG811

### MORTALITY

[SEX DIFFERENCES IN CARDIOVASCULAR  
MORTALITY OF DIABETICS] Heyden S *Dtsch  
Med Wochenschr* 101: 789-93, 14 May 76 (Ger)  
DL/76AUG63

### MORUS ALBA EXTRACT

[MORPHOLOGICAL CHANGES IN THE EN-  
DOCRINE PANCREAS OF THE RABBIT  
AFTER THE ADMINISTRATION OF A  
MORUS ALBA EXTRACT] Gulubova R,  
Boiadzhiev Ts *Exp Med Morfol* 14: 166-71,  
1975 (Bul) DL/76AUG66

### MOTH, WEBBING CLOTHES

PROPERTIES AND SPECIFICITY OF A  
SECOND METAL CHELATOR-SENSITIVE  
PROTEINASE IN THE KERATINOLYTIC  
LARVAE OF THE WEBBING CLOTHES  
MOTH. Ward CW *Aust J Biol Sci* 28: 439-45,  
Dec 75 (Eng) DL/76AUG465

### MOTOR DYSFUNCTION, ESOPHAGEAL

ESOPHAGEAL MOTOR DYSFUNCTION IN  
SYSTEMIC DISEASES. Mukhopadhyay AK,  
Graham DY *Arch Intern Med* 136: 583-8, May  
76 (Eng) [79] DL/76AUG458

### MOTORIC STRESS

[EVALUATION OF THE ABILITY TO REGU-  
LATE BLOOD VOLUME UNDER STAND-  
ARDIZED MOTORIC STRESS] Burger U,  
Steinhardt M, Lyhs I *Arch Exp Veterinaarmed*  
29: 265-79, 1975 (Ger) \*DL/76AUG618

### MOUSE, ALLOXAN DIABETIC

A STUDY OF SUBCUTANEOUS  
STAPHYLOCOCCAL INFECTION IN ALLOXAN  
DIABETIC MICE. Sood U, Agarwal DS, Au-  
rora AL *Indian J Med Res* 63: 1564-76, Nov 75  
(Eng) DL/76AUG118

### MOUSE KK-A<sup>y</sup>

METABOLIC STUDIES ON THE DEVELOP-  
MENT OF ETHANOL-INDUCED FATTY  
LIVER IN KK-A<sup>y</sup> MICE. Arakawa M,  
Taketomi S, Furuno K, Matsuo T, Iwatsuka H *J  
Nutr* 105: 1500-8, Dec 75 (Eng)  
\*DL/76AUG549

### MOUSE OB-OB

AN ANOMALY OF INSULIN REMOVAL IN PER-  
FUSED LIVERS OF OBESE-HYPER-  
GLYCEMIC (OB/OB) MICE. Karakash C, As-  
simacopoulos-Jeannet F, Jeanrenaud B *J Clin In-  
vest* 57: 1117-24, May 76 (Eng) DL/76AUG148

### MOUSE OB-OB

DOES HYPERINSULINEMIA IN OB/OB MICE  
CAUSE AN INSULIN-STIMULATED ADIPOSE  
TISSUE Loten EG, Le Marchand Y, As-  
simacopoulos-Jeannet F, Denton RM, Jeanre-  
naud B *Am J Physiol* 230: 602-7, Mar 76 (Eng)  
DL/76AUG437

### MOUSE PBB-LD

ANIMAL MODELS OF DIABETES AND OBESE-  
ITY, INCLUDING THE PBB/LD MOUSE. Hunt  
CE, Lindsey JR, Walkley SU *Fed Proc* 35: 1206-  
17, Apr 76 (Eng) DL/76AUG93

### MUCOSA

SUGAR TRANSPORT BY INTESTINE. ESCAPE  
OF GALACTOSE FROM PRELOADED MU-  
COSA OF HAMSTER JEJUNUM. Baker RD, Lo  
CS, Nunn AS *Biochim Biophys Acta* 401: 429-39,  
2 Sep 75 (Eng) \*DL/76AUG625

### MUCOSA, GASTRIC

[IMMUNOCYTOCHEMICAL IDENTIFICATION  
OF THE GLUCAGON-SECRETING CELLS IN  
GASTRIC MUCOSA] Baetens D, Rufenner C,  
Unger RH, Renold AE, Orci L *C R Acad Sci [D]  
(Paris)* 282: 195-7, 12 Jan 76 (Fre)  
DL/76AUG39

IDENTIFICATION OF GLUCAGON-PRODUC-  
ING CELLS (A CELLS) IN DOG GASTRIC  
MUCOSA. Baetens D, Rufenner C, Srikant BC,  
Dobbs R, Unger R, Orci L *J Cell Biol* 69: 455-64,  
May 76 (Eng) DL/76AUG137

METABOLISM OF DOG GASTRIC MUCOSA.  
NUCLEOTIDE LEVELS IN PARIETAL  
CELLS. Sarau HM, Foley J, Moonsammy G,  
Wibelhaus VD *J Biol Chem* 250: 8321-9, 10  
Nov 75 (Eng) \*DL/76AUG527

[HISTOCHEMICAL STUDY OF MEDIUM-  
CHAIN, NEUTRAL FAT, GLUCOSE AND  
IRON UPTAKE IN THE INTESTINAL-TYPE  
EPITHELIAL CELLS OF THE GASTRIC MU-  
COSA] Katsu K, Maczawa H, Odakura T *Jpn J  
Gastroenterol* 72: 838-45, Jul 75 (Jpn)  
\*DL/76AUG560

### MUCOSUBSTANCE SECRETION

THE EFFECT OF 2-DEOXY-D-GLUCOSE AND  
3-O-METHYL-D-GLUCOSE ON MUCOSUB-  
STANCE SECRETION IN CELL CULTURE.  
Duguid R, Marsden JC *Biochem Soc Trans* 3:  
498-9, 1975 (Eng) \*DL/76AUG684

### MULTIENZYME COMPLEX

THE PYRUVATE DEHYDROGENASE MUL-  
TIENZYME COMPLEX. Hucho F *Angew Chem  
[Engl]* 14: 591-601, Sep 75 (Eng) [135]  
\*DL/76AUG887

## Diabetes Literature—Keyword Index

### MULTIPLE REGRESSION ANALYSIS

[EVALUATION BY MULTIPLE REGRESSION ANALYSIS OF THE CLINICAL CHARACTERISTICS OF A SAMPLE OF ADULT-ONSET DIABETICS] Jequier JC, Gagnon MA, Annable L *Union Med Can* 104: 935-43, Jun 75 (Fre) DL/76AUG355

### MULTIVARIATE ANALYSIS

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhombert P, Dyer A, Berkson DM, Reedus W, Wannamaker J *J Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhombert P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

### MUMPS

DIABETES MELLITUS FOLLOWING A MUMPS EPIDEMIC. Khakpour M, Nik-Akhtar B *J Trop Med Hyg* 78: 262-3, Dec 75 (Eng) DL/76AUG206

### MUSCLE

[A BONE MARROW FACTOR CAUSING HYPERGLYCEMIA AND GLYCOSURIA: RELEASED GLUCOSE COMES FROM GENERAL GLYCOGENOLYSIS, ESPECIALLY IN MUSCLE] Thomas JA *C R Acad Sci [D] (Paris)* 281: 1995-9, 22 Dec 75 (Fre) DL/76AUG37

CHANGES IN MUSCLE MITOCHONDRIAL LIPID COMPOSITION RESULTING FROM TRAINING AND EXHAUSTIVE EXERCISE. Dohm GL, Barakat H, Stephenson TP, Pennington SN, Tapscott EB *Life Sci* 17: 1075-80, 10 Oct 75 (Eng) \*DL/76AUG574

CHANGES IN METABOLITE CONCENTRATION IN THE PLASMA, LIVER AND MUSCLE OF FEED RESTRICTED JAPANESE QUAIL EXPOSED TO COLD. Thomas VG, George JC *Arch Int Physiol Biochim* 83: 505-18, Aug 75 (Eng) \*DL/76AUG616

### MUSCLE BIOPSY

[DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE I. COMPARISON OF THE 2 DIAGNOSTIC METHODS] Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Palummeri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99

### MUSCLE CELL, SMOOTH

STIMULATION OF 45CA EFFLUX FROM SMOOTH MUSCLE CELLS BY METABOLIC INHIBITION AND HIGH K<sup>+</sup> DEPOLARIZATION. Van Breemen C, Wuytack F, Casteels R, Martinelli B, Campailla E, Ferrari G *Pfluegers Arch* 359: 183-96, 9 Sep 75 (Eng) \*DL/76AUG758

### MUSCLE, FOREARM

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPLANCHNIC BED AFTER A PROTEIN MEAL. Aoki TI, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz

SB, Kaufmann RL, Tan MH, Cahill GF Jr *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

### MUSCLE, HEART

THE INFLUENCE OF ROLITETRACYCLINE UPON SOME METABOLIC PARAMETERS OF RABBIT HEART MUSCLE. Belova V, Barnova E, Barna K *Biochem Pharmacol* 24: 1875-7, 15 Oct 75 (Eng) \*DL/76AUG918

### MUSCLE METABOLISM

LEG MUSCLE METABOLISM DURING EXERCISE IN THE HEAT AND COLD. Fink WJ, Costill DL, Van Handel PJ *Eur J Appl Physiol* 34: 183-90, 15 Aug 75 (Eng) \*DL/76AUG673

### MUSCULAR EXERCISE

[INFLUENCE OF MUSCULAR EXERCISE ON BLOOD CATECHOLAMINE LEVELS IN RATS] Rodigas P, Cession-Fossion A, Lecomte J *C R Soc Biol (Paris)* 169: 257-61, 1975 (Fre) \*DL/76AUG649

### MUTANT

CATABOLITE REPRESSION IN ESCHERICHIA COLI K12 MUTANTS DEFECTIVE IN GLUCOSE TRANSPORT. Gershanovitch VN, Yourovskaya NV, Komissarova LV, Bolshakova TN, Erlagaeva RS, Bourd GI *Mol Gen Genet* 140: 81-90, 15 Sep 75 (Eng) \*DL/76AUG748

### MYOCARDIAL

TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT. Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189

CONGESTIVE HEART FAILURE: ROLE OF ALTERED MYOCARDIAL CELLULAR CONTROL. Katz AM *N Engl J Med* 293: 1184-91, 4 Dec 75 (Eng) \*DL/76AUG751

CHANGE IN MYOCARDIAL ADENOSINE 3, 5 CYCLIC MONOPHOSPHATE DURING THE CONTRACTION CYCLE. Brooker G *Recent Adv Stud Cardiac Struct Metab* 3: 207-12, 1973 (Eng) \*DL/76AUG790

EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES. Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschkoff S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

TURNOVER OF MYOCARDIAL COMPONENTS IN CARDIAC HYPERTROPHY. Zak R, Martin AF, Dowell RT, Rabinowitz M *Recent Adv Stud Cardiac Struct Metab* 3: 603-14, 1973 (Eng) \*DL/76AUG808

### MYOCARDIAL CALCIUM

ISOPROTERENOL MYOCYTOLYSIS AND MYOCARDIAL CALCIUM. Bloom S, Davis D *Recent Adv Stud Cardiac Struct Metab* 4: 581-90, 1974 (Eng) \*DL/76AUG825

### MYOCARDIAL DISEASE

ADAPTATION OF THE CORONARY CIRCULATION TO PRIMARY MYOCARDIAL DISEASE. Klassen GA, Tanser PH, Marpole D, Agarwal JB *Recent Adv Stud Cardiac Struct Metab* 3: 497-506, 1973 (Eng) \*DL/76AUG802

## MYOCARDIAL PERFORMANCE

### MYOCARDIAL FUNCTION

EFFECTS OF DIETARY ERUCIC AND LINOLEIC ACID ON MYOCARDIAL FUNCTION IN RATS. ten Hoor F, van de Graaf HM, Vergoosen AJ *Recent Adv Stud Cardiac Struct Metab* 3: 59-72, 1973 (Eng) \*DL/76AUG807

MYOCARDIAL FUNCTION AND SUBCELLULAR CALCIUM METABOLISM IN CHRONIC POTASSIUM DEFICIENCY. Sack DW, Kim ND, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 203-11, 1975 (Eng) \*DL/76AUG833

### MYOCARDIAL INFARCTION

[IMMUNOREACTIVE INSULIN IN OBESE PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL.)] Karlick V, Topolcan O, Chudacek Z *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29

MUOCARDIAL INFARCTION AND ESTROGEN THERAPY IN POST-MENOPAUSAL WOMEN. Rosenberg L, Armstrong B, Phil D, Jick H *N Engl J Med* 294: 1256-9, 3 Jun 76 (Eng) DL/76AUG267

[REGISTRATION OF CASES OF MYOCARDIAL INFARCT IN WARSAW AND LUBLIN. PREVIOUS MEDICAL HISTORY] Zespolowa P *Pol Tyg Lek* 31: 393-7, 8 Mar 76 (Pol) DL/76AUG302

REDUCTION IN MYOCARDIAL INFARCT SIZE: PREVENTION OF HEART CELL DEATH. Kones RJ, Phillips JH *South Med J* 69: 442-8, Apr 76 (Eng) DL/76AUG342

[HYPEROSMOTIC DIABETIC COMA FOLLOWING MYOCARDIAL INFARCTION] Wojtasik W *Wiad Lek* 29: 621-3, 1 Apr 76 (Pol) DL/76AUG374

SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION. Thorogood M, Mann JJ *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774

### MYOCARDIAL ISCHEMIA

RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISOLATED AFTER AORTIC CONSTRICTION, STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT. Wollenberger A, Kleitke B *Recent Adv Stud Cardiac Struct Metab* 3: 535-50, 1973 (Eng) \*DL/76AUG804

### MYOCARDIAL LIPID

HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA. Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG813

### MYOCARDIAL METABOLISM

THE EFFECTS OF THREE VAPORIZABLE FIRE EXTINGUISHING AGENTS ON MYOCARDIAL METABOLISM AND CARDIOVASCULAR DYNAMICS IN THE ANESTHETIZED DOG. Van Stee EW, Harris AM, Horton ML, Back KC *Toxicol Appl Pharmacol* 34: 62-71, Oct 75 (Eng) \*DL/76AUG888

### MYOCARDIAL PERFORMANCE

EFFECT OF DIBUTYRYL CYCLIC AMP ON MYOCARDIAL PERFORMANCE IN VIVO. Cutiletta AF, Lin CY, Thilenius OG, Arcilla RA *Recent Adv Stud Cardiac Struct Metab* 3: 251-9, 1973 (Eng) \*DL/76AUG794

## Diabetes Literature—Keyword Index

### MYOCARDIUM

#### MYOCARDIUM

INOTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM. Hildner FJ, Yeh BK, Javier RP, Fester A, Samet P *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31

MITOCHONDRIAL CALCIUM METABOLISM IN ISCHEMIC AND FAILING MYOCARDIUM. Sordahl LA, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 535-40, 1974 (Eng) \*DL/76AUG822

[STUDIES ON THE EFFECT OF RADIATION ON ELECTROLYTE CHANGES AND METABOLISM OF THE MYOCARDIUM. V. CHANGES IN ENZYME ACTIVITIES AND GLYCOLYSIS METABOLITES DUE TO RADIATION] Prignitz R, Hoffmeister N, Hoffmeister G *Strahlentherapie* 149: 621-7, Jun 75 (Ger) \*DL/76AUG854

#### MYOCARDIUM, ANOXIC

EFFECT OF GLUCOSE ON ENZYME RELEASE FROM, AND RECOVERY OF, THE ANOXIC MYOCARDIUM. Hearse DJ, Chain EB *Recent Adv Stud Cardiac Struct Metab* 3: 763-72, 1973 (Eng) \*DL/76AUG182

#### MYOCARDIUM, HYPERTROPHIED

INTRAMITOCHONDRIAL GLYCOGEN DEPOSITS IN HYPERTROPHIED HUMAN MYOCARDIUM. Maron BJ, Ferrans VJ *J Mol Cell Cardiol* 7: 697-702, Sep 75 (Eng) \*DL/76AUG731

#### MYOCARDIUM, HYPOXIC

EFFECT OF MANNITOL ON MITOCHONDRIAL MORPHOLOGY IN HYPOXIC MYOCARDIUM. Caulfield JB, Willerson JT, Weisfeldt ML, Powell WJ Jr *Recent Adv Stud Cardiac Struct Metab* 3: 753-62, 1973 (Eng) \*DL/76AUG811

#### MYOCARDIUM, RIGHT VENTRICULAR

ROLE OF MITOCHONDRIAL CALCIUM METABOLISM IN THE ALTERED CONTRACTILITY OF PRESSURE-HYPERTROPHIED RIGHT VENTRICULAR MYOCARDIUM. Sack DW, Cooper G 4th, Stava RM Jr, Coleman HM 3rd, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 195-202, 1975 (Eng) \*DL/76AUG832

#### MYOCYTOLYSIS, ISOPROTERENOL

ISOPROTERENOL MYOCYTOLYSIS AND MYOCARDIAL CALCIUM. Bloom S, Davis D *Recent Adv Stud Cardiac Struct Metab* 4: 581-90, 1974 (Eng) \*DL/76AUG825

#### MYOTHERMIC STUDY

FLUOROMETRIC AND MYOTHERMIC STUDIES OF CARDIAC ENERGETICS. Chapman JB, Gibbs CL *Recent Adv Stud Cardiac Struct Metab* 5: 449-55, 1975 (Eng) \*DL/76AUG835

#### MYOTONIC DYSTROPHY

BIPHASIC RESPONSE ON ORAL GLUCOSE TOLERANCE TESTING IN MYOTONIC DYSTROPHY. Russell D, Sjaastad O *Acta Neurol Scand* 53: 226-8, Mar 76 (Eng) DL/76AUG411

#### NEOGENESIS

TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT. Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189

#### NEONATAL

ENERGETIC ASPECTS OF LATE FETAL AND NEONATAL METABOLISM. PP. 1-9. Hommes FA In: Hommes FA, Van den Berg CJ, ed. *Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [38] DL/76AUG167

GLUCONEOGENESIS IN THE NEONATAL RAT: THE METABOLISM AND DISPOSITION OF ALANINE DURING POSTNATAL DEVELOPMENT. PP. 77-95. Snell K In: Hommes FA, Van den Berg CJ, ed. *Normal and pathological development of energy metabolism*. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [49] DL/76AUG168

ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES. Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220

NEONATAL SEPSIS. Pierog S, Nigam S *Pediatr Ann* 5: 63-79, Feb 76 (Eng) DL/76AUG289

FAT THICKNESS IN THE NEONATAL SMALL LEFT COLON SYNDROME. Kuhns LR, Berger PE, Poznanski AK, Holt JF *Am J Roentgenol* 126: 538-41, Mar 76 (Eng) DL/76AUG441

#### NEONATAL DECEREBRATION

EFFECT OF NEONATAL DECEREBRATION ON THERMOGENESIS DURING STARVATION AND COLD EXPOSURE IN THE RAT. Bignall KE, Heggeness FW, Palmer JE *Exp Neurol* 49: 174-88, Oct 75 (Eng) \*DL/76AUG679

#### NEONATE

THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR. Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM *Am J Clin Pathol* 65: 462-6, Apr 76 (Eng) DL/76AUG429

#### NEPHRITIS

TUBULOINTERSTITIAL AND GLOMERULAR NEPHRITIS ASSOCIATED WITH RIFAMPIN. REPORT OF A CASE. Gabow PA, Lacher JW, Neff TA *JAMA* 235: 2517-8, 7 Jun 76 (Eng) DL/76AUG209

#### NEPHRON SEGMENTS, ISOLATED

GLUCONEOGENESIS IN ISOLATED NEPHRON SEGMENTS OF THE RABBIT. Hohmann B, Scharer K *Curr Probl Clin Biochem* 4: 47-50, 1975 (Eng) \*DL/76AUG491

#### NEPHROPATHY

[CHANGES IN BLOOD COAGULATION IN DIABETIC NEPHROPATHY] Astrug A, Khristov L, Stamenova T *Vutr Boles* 14: 69-75, 1975 (Bul) DL/76AUG369

#### NERVOUS SYSTEM

GLYCOLYTIC METABOLISM IN CULTURED CELLS OF THE NERVOUS SYSTEM. I. GLUCOSE TRANSPORT AND METABOLISM IN THE C-6 GLIOMA CELL LINE. Lust WD, Schwartz JP, Passonneau JV *Mol Cell Biochem* 8: 169-76, 30 Sep 75 (Eng) \*DL/76AUG749

#### NERVOUS SYSTEM, AUTONOMIC

THE ROLE OF THE AUTONOMIC NERVOUS SYSTEM IN TRIGEMINAL NEURALGIA. Kranzl B, Kranzl C *J Neural Transm* 38: 77-82, 1976 (Eng) DL/76AUG193

#### NESIDIOBLASTOSIS

THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR. Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM *Am J Clin Pathol* 65: 462-6, Apr 76 (Eng) DL/76AUG429

#### NEURAL CONTROL INTAKE

FEEDING: NEURAL CONTROL OF INTAKE. Hoebel BG *Annu Rev Physiol* 33: 533-68, 1971 (Eng) [221] \*DL/76AUG894

#### NEURAL INHIBITION

DIRECT NEURAL INHIBITION OF INSULIN SECRETION IN RESPONSE TO SYSTEMIC HYPOGLYCEMIA. Miller RE, Waid TH, Joyce MP *Am J Physiol* 230: 1090-4, Apr 76 (Eng) DL/76AUG439

#### NEURALGIA

THE ROLE OF THE AUTONOMIC NERVOUS SYSTEM IN TRIGEMINAL NEURALGIA. Kranzl B, Kranzl C *J Neural Transm* 38: 77-82, 1976 (Eng) DL/76AUG193

#### NEUROHORMONAL PATHWAY

THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

#### NEUROHYPOPHYSEAL

[ABSENCE OF SOMATOSTATIN EFFECT ON NEUROHYPOPHYSEAL FUNCTION IN MAN] Legros JJ, Brisson J, Franchimont P *C R Soc Biol (Paris)* 168: 1442-5, 1974 (Fre) \*DL/76AUG647

#### NEUROHYPOPHYSIAL PEPTIDE TARGET CELL

STIMULUS-RESPONSE COUPLING IN NEUROHYPOPHYSIAL PEPTIDE TARGET CELLS. Järd S, Bockaert J *Physiol Rev* 55: 489-536, Oct 75 (Eng) \*DL/76AUG783

#### NEUROLEPTANALGESIA

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

#### NEUROLEPTIC

[AN ADVERSE GLYCEMIC EFFECT IN PATIENTS AS A RESULT OF TREATMENT WITH NEUROLEPTICS] Tverdoeva EB *Zh Nevropatol Psikhiatr* 76: 450-2, 1976 (Rus) DL/76AUG395

#### NEUROPATHIC COMPLICATION

LETTER: DIABETES-RELATED NEUROPATHIC AND VASCULAR COMPLICATIONS. Block BN *Postgrad Med* 59: 29, Mar 76 (Eng) DL/76AUG308



# NEUROSPORA

ELECTROGENIC PROTON TRANSPORT IN THE PLASMA MEMBRANE OF NEUROSPORA. Slayman CL, Gradmann D *Biophys J* 15: 968-71, Sep 75 (Eng) \*DL/76AUG639

REGULATION OF GLYCOLYSIS IN NEUROSPORA CRASSA. KINETIC PROPERTIES OF PYRUVATE KINASE. Tsao MU, Madley TI *Microbios* 12: 125-42, 1975 (Eng) \*DL/76AUG746

# NEUROTENSIN

EFFECTS OF NEUROTENSIN AND SUBSTANCE P ON PLASMA INSULIN, GLUCAGON AND GLUCOSE LEVELS. Brown M, Vale W *Endocrinology* 98: 819-22, Mar 76 (Eng) DL/76AUG73

# NEUTRAL FAT

[HISTOCHEMICAL STUDY OF MEDIUM-CHAIN, NEUTRAL FAT, GLUCOSE AND IRON UPTAKE IN THE INTESTINAL-TYPE EPITHELIAL CELLS OF THE GASTRIC MUCOSA] Katsu K, Maezawa H, Odakura T *Jpn J Gastroenterol* 72: 838-45, Jul 75 (Jpn) \*DL/76AUG560

# NEW ZEALAND

OBEISITY IN A NEW ZEALAND COMMUNITY. Benson-Cooper D, Bird D, Laing JK, Hannah EE, Carrell RW, Beaven DW *NZ Med J* 82: 115-9, 27 Aug 75 (Eng) \*DL/76AUG754

# NEWBORN

[HYPOGLYCEMIA. PART 4. GENERAL CAUSES, PHYSIOLOGICAL NEWBORN HYPERGLYCEMIA, HYPERGLYCEMIA IN VARIOUS ILLNESSES, METABOLIC DEFICIENCY, AND METABOLIC ERROR] Forster H *Fortschr Med* 94: 332-8, 19 Feb 76 (Ger) DL/76AUG109

[LEVEL OF SOMATOTROPIC HORMONES IN THE NEWBORN, THE PARTURIENT AND THE AMNIOTIC FLUID] Balabolkin MI, Ianshyna MN *Pediatr Akush Ginekol* 37-9, Nov-Dec 75 (Ukr) \*DL/76AUG580

# NOCTURNAL REM ERECTION

THE ASSESSMENT OF NOCTURNAL REM ERECTION IN THE DIFFERENTIAL DIAGNOSIS OF SEXUAL IMPOTENCE. Fisher C, Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL/76AUG203

# NODULAR GLOMERULOSCLEROSIS

LETTER: NODULAR GLOMERULOSCLEROSIS IN A NONDIABETIC Salomon MI *Postgrad Med* 59: 26, 29, Mar 76 (Eng) DL/76AUG307

# NON-COVALENT INTERACTION

NON-COVALENT INTERACTIONS. KEY TO BIOLOGICAL FLEXIBILITY AND SPECIFICITY. Frieden E *J Chem Educ* 52: 754-6, Dec 75 (Eng) \*DL/76AUG541

# NOREPINEPHRINE

STUDIES ON NOREPINEPHRINE-INDUCED EFFLUX OF FREE FATTY ACID FROM HAMSTER BROWN-ADIPOSE-TISSUE CELLS. Bieber LL, Pettersson B, Lindberg O *Eur J Biochem* 58: 375-81, 15 Oct 75 (Eng) \*DL/76AUG677

INTERACTION OF FOUR METHYLXANTHINE COMPOUNDS AND NOREPINEPHRINE ON CARDIAC PHOSPHORYLASE ACTIVATION AND CARDIAC CONTRACTILITY. McNeill JH, Brenner MJ, Muschek LD *Recent Adv Stud Cardiac Struct Metab* 3: 261-73, 1973 (Eng) \*DL/76AUG795

EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES. Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschko S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

RISE IN PLASMA FREE-NOREPINEPHRINE DURING ANESTHETIC INDUCTION WITH KETAMINE. Zsigmond EK, Kelsch RC, Kothary SP *Behav Neuropsychiatry* 6: 81-4, Apr 74-Mar 75 (Eng) \*DL/76AUG909

# NORMOGLYCEMIC GLYCOSURIA

[NORMOGLYCEMIC GLYCOSURIA IN PREGNANT WOMEN. DISCUSSION CONTRIBUTION TO THE ARTICLE OF ASSISTANT PROF. PAV AND SPERL, M.D. TUBULAR EXTRACTION OF GLUCOSE IN PREGNANT WOMEN VNITRNI LEK. 21, 1975, 12, P.1166-9] Rames I *Vnit Lek* 22: 401-2, Apr 76 (Cze) DL/76AUG364

# NORMOLIPIDAEMIC

A COMPARISON OF THE EFFECTS OF AN ORAL FRUCTOSE LOAD IN HYPERTRIGLYCERIDAEMIC AND NORMOLIPIDAEMIC MEN. MacRae AR, Macdonald I *Proc Nutr Soc* 34: 54a-55a, Sep 75 (Eng) \*DL/76AUG767

# NSILA

SEE INSULIN LIKE ACTIVITY, NONSUPPRESSIBLE

# NUCLEOSIDE

MEMBRANE TRANSPORT OF PURINE AND PYRIMIDINE BASES AND NUCLEOSIDES IN ANIMAL CELLS. Berlin RD, Oliver JM *Int Rev Cytol* 42: 287-336, 1975 (Eng) [122] \*DL/76AUG520

# 5-NUCLEOTIDASE

LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE. Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

# NUCLEOTIDE

MECHANISM OF NUCLEOTIDE INHIBITION OF GONADOTROPIN BINDING TO CELL MEMBRANES OF BOVINE CORPUS LUTEUM. Rao CV *Mol Cell Endocrinol* 3: 255-71, Oct 75 (Eng) \*DL/76AUG507

METABOLISM OF DOG GASTRIC MUCOSA. NUCLEOTIDE LEVELS IN PARIENTAL CELLS. Sarau HM, Foley J, Moonsammy G, Wiebelhaus VD *J Biol Chem* 250: 8321-9, 10 Nov 75 (Eng) \*DL/76AUG527

# NUTRIENT

GUIDELINES FOR THE DOSAGE AND APPLICATION OF THE INTRAVENOUS PROVI-

SION OF NUTRIENT SUBSTANCES IN PATIENTS WITH RENAL FAILURE. PP. 160-6. Kuli J, Heidland A *In0 Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [10] DL/76AUG156*

SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN--A REVIEW. Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237

NUTRIENT-DEPENDENT ARREST OF FIBROBLAST GROWTH IS PARTIALLY REVERSED BY INSULIN BUT NOT FIBROBLAST GROWTH FACTOR. Kamely D, Rudland P *Nature* 260: 51-3, 4 Mar 76 (Eng) DL/76AUG271

# NUTRITION

THE EFFECT OF NUTRITIONAL FACTORS ON BRAIN AMINO ACID LEVELS AND MONOAMINE SYNTHESIS. Fernstrom JD *Fed Proc* 35: 1151-6, Apr 76 (Eng) DL/76AUG92

THE ROLE OF TRACE ELEMENTS IN HUMAN NUTRITION AND METABOLISM. PP. 156-77. Tuman RW, Doisy RJ *In0 Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [59] DL/76AUG177*

NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakor P *Prog Food Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330

[NUTRITION OF THE DIABETIC CHILD IN THE HOSPITAL AND AT HOME] Cotesescu A *Viata Med [Medii Sanit]* 23: 4, Apr 75 (Rum) DL/76AUG359

[ROLE OF NUTRITION IN THE PREVENTION AND TREATMENT OF ATHEROSCLEROSIS] Szostak WB *Wiad Lek* 29: 709-13, 15 Apr 76 (Pol) [0] DL/76AUG375

[BALANCED PARENTERAL NUTRITION FOLLOWING TOTAL PANCREATECTOMY. (METABOLIC DATA)] Reissigl H, Bodner E, Falser N *Infusions therapie* 2: 120-31, Apr 75 (Ger) \*DL/76AUG700

FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO. Maroudas A, Stockwell RA, Nachemson A, Urban JJ *J Anat* 120: 113-30, Sep 75 (Eng) \*DL/76AUG706

ROLE OF SUGAR IN MODERN NUTRITION. Stare FJ *World Rev Nutr Diet* 22: 239-47, 1975 (Eng) [9] \*DL/76AUG862

NUTRITION EFFECT ON LIVER AND LYSOSOMES. VIII. THE UNDERNOURISHMENT ROLE IN A FOLLOWING SHORT-TERM STARVATION. Krustev JP, Ibrishimov NI, Popov AA *Acta Histochem (Lena)* 53: 42-57, 1975 (Eng) \*DL/76AUG872

# OBESE

DECREASED INSULIN BINDING TO ADIPOCYTES AND CIRCULATING MONOCYTES FROM OBESE SUBJECTS. Olefsky JM *J Clin Invest* 57: 1165-72, May 76 (Eng) DL/76AUG149

BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBESE SUBJECTS] Lanzara P, Marozzi P, Carmina E, Janni A *Pediatrics (Napoli)* 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291

GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN. Fallucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

## Diabetes Literature—Keyword Index

### OBES CHILD

AN APPROACH TO THE OBES ADOLESCENT. Barnes HV, Berger R *Med Clin North Am* 59: 1507-16, Nov 75 (Eng) \*DL/76AUG741

ANIMAL MODEL: OBES HYPERTENSIVE RAT. Koletsky S *Am J Pathol* 81: 463-6, Nov 75 (Eng) \*DL/76AUG881

### OBES CHILD

SUGAR METABOLISM IN OBES CHILDREN. Barta L, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBES CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

### OBES HYPERGLYCEMIC

AN ANOMALY OF INSULIN REMOVAL IN PERFUSED LIVERS OF OBES-HYPERGLYCEMIC (OB/OB) MICE. Karakash C, Assimacopoulos-Jeanmet F, Jeanrenaud B *J Clin Invest* 57: 1117-24, May 76 (Eng) DL/76AUG148

### OBES PATIENT

[IMMUNOREACTIVE INSULIN IN OBES PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL)] Karlicky V, Topolcan O, Chudacek Z *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29

### OBESITY

OBESITY, CARBOHYDRATE, AND LIPID INTERACTIONS IN THE ELDERLY. Bierman EL *Curr Concepts Nutr* 4: 171-6, 1976 (Eng) [19] DL/76AUG59

ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PBB/LD MOUSE. Hunt CE, Lindsey JR, Walkley SU *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93

INSULIN RECEPTORS, INSULIN RESISTANCE, DIABETES AND OBESITY. Anonymous *Nutr Rev* 34: 145-8, May 76 (Eng) [14] DL/76AUG277

[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSEO-ADRENAL SYSTEM IN OBESITY] Dobrev D, Pavlov D, Stoilov I *Vatr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBES CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

EFFECTS OF OBESITY AND SET POINT ON TASTE RESPONSIVENESS AND INGESTION IN HUMANS. Rodin J *J Comp Physiol Psychol* 89: 1003-9, Nov 75 (Eng) \*DL/76AUG544

OBESITY IN A NEW ZEALAND COMMUNITY. Benson-Cooper D, Bird D, Laing JK, Hannah EE, Carrell RW, Beaven DW *NZ Med J* 82: 115-9, 27 Aug 75 (Eng) \*DL/76AUG754

FATTY ACID PATTERNS OF SERUM TRIGLYCERIDES AND SUBCUTANEOUS ADIPOSE TISSUES AFTER ILEAL BYPASS IN OBESITY. Kallner A, Hallberg D, Backman L *Scand J Gastroenterol* 10: 763-7, 1975 (Eng) \*DL/76AUG846

OBESITY. Danowski TS, Nolan S, Stephan T *World Rev Nutr Diet* 22: 270-9, 1975 (Eng) [18] \*DL/76AUG864

### OCULAR PATHOLOGY

[RATE OF BLOOD OXYGEN OUTPUT IN CERTAIN TYPES OF OCULAR PATHOLOGY] Zaretskaia RB, Trutneva KV, Epshtein IM, Mikhailova NA *Vestn Oftalmol* 19-22, Jul-Aug 75 (Rus) DL/76AUG358

### OCULAR PATHOLOGY, VASCULAR

[VALUE OF PYRIDINOL CARBAMATE IN OCULAR VASCULAR PATHOLOGY (ANGIOXINE)] Boudet, Millet, Arnaud *Bull Soc Ophthalmol Fr* 74: 977-80, Sep-Oct 74 (Fre) DL/76AUG35

### OGTT

SEE ORAL GLUCOSE TOLERANCE TEST

### OLD AGE

[SYMPTOMATOLOGY OF REGULATORY MECHANISMS IN OLD AGE] PP. 39-52. Twrly E In: *Doberauer W, ed. Scriptum geriatricum. Munchen, Urban & Schwarzenberg, 1975. W3 IN973 1974s. (Ger)* DL/76AUG162

[CARDIOLOGICAL EMERGENCIES IN OLD AGE] Nelius D *Z Alternsforsch* 30: 87-94, 1975 (Ger) DL/76AUG378

### OLEIC ACID

EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT. Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240

### OLFACTORY BULB

LOCAL SITES OF ACTIVITY-RELATED GLUCOSE METABOLISM IN RAT OLFACTORY BULB DURING OLFACTORY STIMULATION. Sharp FR, Kauer JS, Shepherd GM *Brain Res* 98: 596-600, 21 Nov 75 (Eng) \*DL/76AUG646

### OLIGOPEPTIDE

LETTER: OLIGOPEPTIDES AS POTENTIAL ANTIAGGREGATION AGENT FOR PROTEINS: HEMOGLOBIN GEL AND INSULIN DIMER. Kubota S, Chang CT, Samejima T, Yang JT *J Am Chem Soc* 98: 2677-8, 28 Apr 76 (Eng) DL/76AUG154

### ONION

HYPOGLYCAEMIC EFFECTS OF ONION, ALLIUM CEPA LINN. ON DIABETES MELLITUS - A PRELIMINARY REPORT. Mathew PT, Augusti KT *Indian J Physiol Pharmacol* 19: 213-7, Oct-Dec 75 (Eng) DL/76AUG120

### OPHTHALMOLOGY

OPHTHALMOLOGY IN PREVENTIVE AND PREDICTIVE MEDICINE. Raiford MB *Ann Ophthalmol* 7: 1541-5, Dec 75 (Eng) [24] DL/76AUG450

### ORAL ADMINISTRATION

[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE] Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

### ORAL ANTIDIABETIC DRUG

COMPARISON OF DAILY BLOOD SUGAR PROFILES IN DIABETICS UNDER TREATMENT WITH DIFFERENT ORAL ANTIDIABETIC DRUGS. PP. 299-303. Strattmann FW In: *Shchevling LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng)* DL/76AUG187

### ORAL FRUCTOSE LOAD

A COMPARISON OF THE EFFECTS OF AN ORAL FRUCTOSE LOAD IN HYPERTRIGLYCERIDAEMIC AND NORMOLIPIDAEMIC MEN. MacRae AR, MacDonald I *Proc Nutr Soc* 34: 54a-55a, Sep 75 (Eng) \*DL/76AUG767

### ORAL GLUCOSE LOAD

CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD. Kimura K, Kamiyama Y, Ozawa K, Honjo I *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100

[COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415

### ORAL GLUCOSE LOADING

A NEW FAT-DEPENDENT TIME-MODIFIED RELATIONSHIP BETWEEN BASAL PLASMA GLUCOSE LEVELS AND THE EARLY GLUCOSE RESPONSE TO ORAL GLUCOSE LOADING IN NORMAL HUMAN SUBJECTS. Trenchard PM *Clin Chim Acta* 65: 139-42, 15 Nov 75 (Eng) \*DL/76AUG480

### ORAL GLUCOSE TOLERANCE

DIURNAL VARIATION OF ORAL GLUCOSE TOLERANCE IN A TROPICAL ENVIRONMENT. Oviasso VO *J Trop Med Hyg* 79: 54-7, Mar 76 (Eng) DL/76AUG207

BIPHASIC RESPONSE ON ORAL GLUCOSE TOLERANCE TESTING IN MYOTONIC DYSTROPHY. Russell D, Sjaastad O *Acta Neurol Scand* 53: 226-8, Mar 76 (Eng) DL/76AUG411

### ORAL GLUCOSE TOLERANCE TEST

THE USE OF SCREENING AND DIAGNOSTIC PROCEDURES: THE ORAL GLUCOSE TOLERANCE TEST. Prout TE *Md State Med J* 25: 62-5, May 76 (Eng) DL/76AUG225

COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST. Papic Z, Katona G, Crepinko I, Skrabalo Z *Acta Diabetol Lat* 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

SERUM INSULIN VALUES DURING ORAL GLUCOSE TOLERANCE TEST IN VARIOUS AGE GROUPS. Kerpel-Fronius E, Gacs G *Acta Paediatr Acad Sci Hung* 16: 197-202, 1975 (Eng) DL/76AUG413

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBES CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

# PANCREATIC ABSCESS

## ORGAN CULTURE

HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIBIAN MEANS LIVER IN ORGAN CULTURE. Brown D, Fleming N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

FACTORS INFLUENCING BONE FORMATION IN ORGAN CULTURE. Raisz LG, Dietrich JW, Canalis EM *Isr J Med Sci* 12: 108-14, Feb 76 (Eng) DL/76AUG130

STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE. PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G *Int Namer M, Lalanne CM, ed. Hormones and breast cancer*. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184

## ORTHOPHOSPHATE

EFFECT OF FASTING AND INSULIN ON THE GLUCAGON-INDUCED ORTHOPHOSPHATE INCORPORATION TO THE ISOLATED PERFUSED RAT LIVER. De Venanzi F, Pena F, Jimenez O, De Alvarado H *Proc Soc Exp Biol Med* 152: 47-51, May 76 (Eng) DL/76AUG323

## OSCILLATORY STATE

OSCILLATORY STATES OF MITOCHONDRIA. INFLUENCE OF UNSATURATED FATTY ACID COMPOSITION. Williams MA, Katyare S, Packner I *Arch Biochem Biophys* 170: 353-9, Oct 75 (Eng) \*DL/76AUG895

## OSMOREGULATION, EXTRACELLULAR

SALINITY TOLERANCE AND EXTRACELLULAR OSMOREGULATION IN TWO SPECIES OF EURYHALINE TELEOSTS, CULAE INCONSTANS AND FUNDULUS DIAPHANUS. Ahokas RA, Duerr FG *Comp Biochem Physiol* [A] 52: 445-8, 1 Nov 75 (Eng) \*DL/76AUG665

## OSTEOTOMY

14C-GLUCOSE AND 35S-METABOLISM OF PIG EPIPHYSAL CARTILAGE AND ITS VARIATIONS AFTER OSTEOTOMY. Beckmann J, Rodegerdts U, Buddecke E *J Bone Joint Surg [Br]* 57: 506-10, Nov 75 (Eng) \*DL/76AUG535

## OVARY

METABOLISM AND ULTRASTRUCTURE IN OVARIES OF ALLOXAN-DIABETIC JUVENILE RATS. Stahler E, Neumann HO, Niethammer KM *Arch Gynaekol* 220: 199-208, 5 Mar 76 (Eng) DL/76AUG461

## OXIDASE, GLUCOSE

PENETRATION OF TARGET AREAS IN THE RAT BY LIPOSOME-ASSOCIATED BLEOMYCIN, GLUCOSE OXIDASE AND INSULIN. Dapergolas G, Neerunjun ED, Gregoriadis G *FEBS Lett* 63: 235-9, 1 Apr 76 (Eng) DL/76AUG91

## OXIDASE, XANTHINE

EVALUATION OF SERUM CHOLESTEROL REDUCTION AND XANTHINE OXIDASE INHIBITION IN THE TREATMENT OF ATHEROSCLEROSIS. Oster KA *Recent Adv Stud Cardiac Struct Metab* 3: 73-80, 1973 (Eng) \*DL/76AUG810

## OXIDATION

THE STEADY STATE CONCENTRATIONS OF COENZYME A-SH AND COENZYME A

THIOESTER, CITRATE, AND ISOCITRATE DURING TRICARBOXYLATE CYCLE OXIDATIONS IN RABBIT HEART MITOCHONDRIA. Hansford RG, Johnson RN *J Biol Chem* 250: 8361-75, 10 Nov 75 (Eng) \*DL/76AUG528

ACTIVE TRANSPORT IN ESCHERICHIA COLI B MEMBRANE VESICLES. DIFFERENTIAL INACTIVATING EFFECTS FROM THE ENZY-MATIC OXIDATION OF BETA-CHLORO-L-ALANINE AND BETA-CHLORO-D-ALANINE. Kaczorowski G, Shaw L, Laura R, Walsh C *J Biol Chem* 250: 8921-30, 10 Dec 75 (Eng) \*DL/76AUG530

## OXIDATIVE

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLI. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

## OXIDATIVE PHOSPHORYLATION

DEPENDENCE OF PLATELET ADENYL CYCLASE SYSTEM ON OXIDATIVE PHOSPHORYLATION. Hashimoto S, Shibata S, Kobayashi B *Thromb Diath Haemorrh* 34: 42-9, 30 Sep 75 (Eng) \*DL/76AUG852

PROTAMINE INHIBITION OF THE OXIDATIVE PHOSPHORYLATION IN INTACT, CYTOCHROME C-DEPLETED AND RESTORED MITOCHONDRIA. Kossekova GP, Mitovska MI, Dancheva KI *Acta Biol Med Ger* 34: 539-47, 1975 (Eng) \*DL/76AUG870

## OXYGEN

[RATE OF BLOOD OXYGEN OUTPUT IN CERTAIN TYPES OF OCULAR PATHOLOGY] Zaretskaia RB, Trutneva KV, Epshtein IM, Mikhailova NA *Vestn Oftalmol* 19-22, Jul-Aug 75 (Rus) DL/76AUG358

## OXYGEN CONSUMPTION

INFLUENCE OF PHENOXYBENZAMINE ON METHAMPHETAMINE-INDUCED CHANGES IN LOCOMOTOR ACTIVITY, OXYGEN CONSUMPTION, BODY TEMPERATURE AND SOME METABOLIC PARAMETERS. Estler CJ *Neuropharmacology* 14: 779-83, Oct 75 (Eng) \*DL/76AUG577

## OXYGEN EXCHANGE REACTION

THE EFFECTS OF ADP ON REVERSE ELECTRON FLOW AND THE OXYGEN EXCHANGE REACTIONS CATALYZED BY BOVINE HEART MUSCLE SUBMITOCHONDRIAL PARTICLES. Mitchell RA, Russo JA, Lamos CM *J Supramol Struct* 3: 256-60, 1975 (Eng) \*DL/76AUG740

## PACKED-BED REACTOR

ENZYME IMMOBILIZED IN A PACKED-BED REACTOR: KINETIC PARAMETERS AND MASS TRANSFER EFFECTS. Marrazzo WN, Merson RL, McCoy BJ *Biotechnol Bioeng* 17: 1515-28, Oct 75 (Eng) \*DL/76AUG640

## PACKING VOLUME, PROTEIN

ACCESSIBLE AREA, PACKING VOLUMES AND INTERACTION SURFACES OF GLOBULAR PROTEINS. Teller DC *Nature* 260: 729-31, 22 Apr 76 (Eng) DL/76AUG273

## PALMITIC ACID

INHIBITION OF RAT AND SHEEP ADIPOSE-TISSUE LIPOGENESIS BY PALMITIC ACID AND LINOLEIC ACID ADDED IN VITRO. Vernon RG *Biochem Soc Trans* 3: 717, 1975 (Eng) \*DL/76AUG504

## PALMITOYL-COENZYME A

THE POSSIBLE ROLE OF PALMITOYL-COA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS. Panov AV, Konstantinov YM, Lyakhovich VV *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

## PANCREAS

DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISOLATION PERFUSED RAT PANCREAS AND THE EFFECT OF CHEMICAL SYMPATHECTOMY. Lundquist I, Fanska R, Grodsky GM *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72

ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES. Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220

[GLUCAGON, STOMACH AND PANCREAS] Kalinin AP, Radbil OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343

[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL.)] Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

[ELECTRON MICROSCOPE FINDINGS ON THE ENDOCRINE SYSTEM OF THE PANCREAS OF THE NEWBORN RAT] Costa V *Arch De Vecchi Anat Patol* 60: 67-80, Aug 74 (Ita) DL/76AUG454

FINE STRUCTURE OF PANCREAS IN CORTISONE-TREATED GUINEA PIGS AND RABBITS. Wellmann KF, Volk BW *Arch Pathol Lab Med* 100: 334-8, Jun 76 (Eng) DL/76AUG462

## PANCREAS, ENDOCRINE

THE ULTRASTRUCTURE OF THE CELL TYPES IN THE ENDOCRINE PANCREAS OF THE HORSE. Forssmann A *Cell Tissue Res* 167: 179-95, 16 Mar 76 (Eng) DL/76AUG30

[MORPHOLOGICAL CHANGES IN THE ENDOCRINE PANCREAS OF THE RABBIT AFTER THE ADMINISTRATION OF A MORUS ALBA EXTRACT] Gulubova R, Boiadzhiev Ts *Exp Med Morfol* 14: 166-71, 1975 (Bul) DL/76AUG66

## PANCREATECTOMY, TOTAL

[BALANCED PARENTERAL NUTRITION FOLLOWING TOTAL PANCREATECTOMY. (METABOLIC DATA)] Reissigl H, Bodner E, Falser N *Infusionstherapie* 2: 120-31, Apr 75 (Ger) \*DL/76AUG700

## PANCREATIC ABSCESS

[PANCREATIC ABSCESS AND ACUTE DIABETES MELLITUS] de Leeuw I, Abs R *Tijdschr Gastroenterol* 18: 329-39, 1975 (Dut) DL/76AUG353

## Diabetes Literature—Keyword Index

### PANCREATIC ADENOMA

#### PANCREATIC ADENOMA

THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOLASIS IN THE TUMOR. Dahms BB, Lippe BM, Dakake C, Fonksrud EW, Mirra JM *Am J Clin Pathol* 65: 462-6, Apr 76 (Eng) DL/76AUG429

#### PANCREATIC ALLOTRANSPLANTATION

[EXPERIMENTAL PANCREATIC ALLOTRANSPLANTATION IN DOGS: BIOCHEMICAL ASPECTS AND EVOLUTION] Ellenbogen G, Raia AA, Zilberstein B, Pollara WM, Neto OB, Morimoto RY, Pinotti HW *Rev Hosp Clin Fac Med Sao Paulo* 30: 340-4, Jul-Aug 75 (Por) \*DL/76AUG841

#### PANCREATIC BETA CELL

VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS. Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

#### PANCREATIC DUCT ANASTOMOSIS

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETER-TO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

#### PANCREATIC ENZYME

A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS. Harano Y, Shimizu Y, Yoshida M, Diani N, Kim CI *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399

#### PANCREATIC GLUCAGON

INHIBITION OF GASTRIC ACID SECRETION IN MAN BY EXOGENOUS AND ENDOGENOUS PANCREATIC GLUCAGON. Christiansen J, Holst JJ, Kalaja E *Gastroenterology* 70: 688-92, May 76 (Eng) DL/76AUG101

#### PANCREATIC ISCHEMIA

PANCREATIC ISCHAEMIA; SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

#### PANCREATIC ISLET

INHIBITION OF PANCREATIC ISLET MONOAMINE OXIDASE BY ADRENERGIC ANTAGONISTS AND ETHANOL. Feldman JM *Endocr Res Commun* 2: 503-20, 1975 (Eng) DL/76AUG67

DETERMINATION OF D-3-HYDROXYBUTYRATE DEHYDROGENASE IN MOUSE PANCREATIC ISLETS WITH A PHOTOKINETIC TECHNIQUE USING BACTERIAL LUCIFERASE. Berne C *Enzyme* 21: 127-36, 1976 (Eng) DL/76AUG84

#### PANCREATIC ISLET, ISOLATED

PROCEEDINGS: THE EFFECTS OF CYPROHEPTADINE PRETREATMENT ON INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS. Richardson BP, Berde B *Br J Pharmacol* 56: 356p-357p, Mar 76 (Eng) DL/76AUG11

HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS. Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

#### PANCREATIC PSEUDOCYST

[INSULIN SECRETION IN PATIENTS FOLLOWING JURASZS SURGERY FOR PANCREATIC PSEUDOCYST] Svoboda Z, Prokes J, Dobesova L *Vnitř Lek* 22: 336-40, Apr 76 (Cze) DL/76AUG362

#### PANCREATIC TRANSPLANTATION

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETER-TO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

#### PANCREATITIS, CHRONIC

[DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS] Andreoni G, Ragaglia G, Schiavi W, Bernacchino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578

#### PARA AMINOSALICYLIC ACID

COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST. Papic Z, Katona G, Crepinko I, Skrabalo Z *Acta Diabetol Lat* 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

#### PARANEOPLASTIC HYPOGLYCEMIA

ULTRASTRUCTURE OF HEMANGIOEPITHYOMA ASSOCIATED WITH PARANEOPLASTIC HYPOGLYCEMIA. Bommer G, Altenahr E, Kuhnau J Jr, Kloppel G *Z Krebsforsch* 85: 231-41, 19 Mar 76 (Eng) DL/76AUG389

#### PARANEOPLASTIC SYNDROME

PARANEOPLASTIC SYNDROMES. PP. 145-51. Burk M, Matas AJ, Simmons RL. In: *Najarian JS, Delaney JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.* (Eng) DL/76AUG182

#### PARATHYROID HORMONE

EFFECT OF PARATHYROID HORMONE ON RENAL TUBULAR FLUID AND GLUCOSE REABSORPTION. Baumann K, Chan YL, Bode F, Papavassiliou F, Wagner M *Curr Probl Clin Biochem* 4: 223-8, 1975 (Eng) \*DL/76AUG488

#### PARENTERAL ADMINISTRATION

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prohs H, Messmer K, Bucklein R, Lob G, Mehnerth H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

#### PARENTERAL FEEDING

[CHANGES OF SERUM LIPIDS DURING PARENTERAL FEEDING WITH A 10 PERCENT OF SOY OIL SOLUTION (AUTHORS TRANSL)] Hernandez Lopez D, Rivera Hidalgo P, Guedea MS, Rivas y Rivas RM, Gutierrez Samperio C *Prensa Med Mex* 40: 346-51, Nov-Dec 75 (Spa) DL/76AUG314

#### PARENTERAL NUTRITION, TOTAL

TOTAL PARENTERAL NUTRITION IN INFANTS AND CHILDREN: CENTRAL AND PERIPHERAL APPROACHES. Filler RM, Coran AG *Surg Clin North Am* 56: 395-412, Apr 76 (Eng) DL/76AUG346

#### PARIETAL CELL

METABOLISM OF DOG GASTRIC MUCOSA. NUCLEOTIDE LEVELS IN PARIETAL CELLS. Sarau HM, Foley J, Moonsammy G, Wiebelhaus VD *J Biol Chem* 250: 8321-9, 10 Nov 75 (Eng) \*DL/76AUG527

#### PARIETAL DIGESTION

[PARIETAL (MEMBRANE) DIGESTION UNDER NORMAL AND PATHOLOGICAL CONDITIONS] Danovskii LV *Klin Med (Mosk)* 53: 17-23, Nov 75 (Rus) [54] DL/76AUG218

#### PAROTID

STUDIES ON THE ROLE OF CALCIUM IONS IN THE STIMULATION BY ADRENALINE OF AMYLASE RELEASE FROM RAT PAROTID. Dormer RL, Ashcroft SJ *Biochem J* 144: 543-50, Dec 74 (Eng) \*DL/76AUG910

#### PAROTID GLAND

CHARACTERIZATION OF PROTEIN KINASES FROM BOVINE PAROTID GLANDS. THE EFFECT OF TOLBUTAMIDE AND ITS DERIVATIVE ON THESE PARTIALLY PURIFIED ENZYMES. Kanamori T, Hayakawa T, Nagatsu T *Biochim Biophys Acta* 429: 147-62, 11 Mar 76 (Eng) DL/76AUG2

#### PARTURIENT

[LEVEL OF SOMATOTROPIC HORMONES IN THE NEWBORN, THE PARTURIENT AND THE AMNIOTIC FLUID] Balabolkin MI, Ianshyna MN *Pediatr Akush Ginek* 37-9, Nov-Dec 75 (Ukr) \*DL/76AUG580

#### PENTOSE PHOSPHATE PATHWAY

THE EFFECT OF O-SALICYLATE UPON PENTOSE PHOSPHATE PATHWAY ACTIVITY IN NORMAL AND G6PD-DEFICIENT RED CELLS. Worathumrong N, Grimes AJ *Br J Haematol* 30: 225-31, Jun 75 (Eng) \*DL/76AUG471

#### PEPTIDE

PURIFICATION AND PHYSIOLOGICAL ROLE OF A PEPTIDE STABILIZING FACTOR OF RAT LIVER PHOSPHOFRUCTOKINASE. Dunaway GA, Segal HL *J Biol Chem* 251: 2323-9, 25 Apr 76 (Eng) DL/76AUG133

EFFECTS OF CHOROID PLEXUS PEPTIDE IIF ON ADENYLATE CYCLASE AND 3,5-CYCLOCYCLOPHOSPHATE IN ADIPOSE TISSUE. Rudman D *J Pharmacol Exp Ther* 195: 532-9, Dec 75 (Eng) \*DL/76AUG552

STUDIES ON PEPTIDES. LII. APPLICATION OF THE TRIFLUOROMETHANESULFONIC ACID PROCEDURE TO THE SYNTHESIS OF



## Diabetes Literature—Keyword Index

### PHOSPHOENOLPYRUVATE CARBOXYKINASE

**A PEPTIDE WITH SOMATOSTATIN ACTIVITY.** Fujii N, Yajima H *Chem Pharm Bull (Tokyo)* 23: 1596-603, Jul 75 (Eng) \*DL/76AUG655

### PERFUSION PRESSURE

**THE RESPONSE OF BLOOD FLOW TO ALTERED PERFUSION PRESSURE IN CANINE ADIPOSE TISSUE.** Ballard K, Aliopoulos JC *Proc Soc Exp Biol Med* 150: 65-70, Oct 75 (Eng) \*DL/76AUG780

### PERIMETRY

**SIMPLIFIED PERIMETRY.** Hall DL, Cleasby GW *Ann Ophthalmol* 8: 279-82, Mar 76 (Eng) DL/76AUG451

### PERINATAL PERIOD

**[STUDYING THE IMMOBILITY OF SHEEP IN THE PERINATAL PERIOD]** Bostedt H *Berl Munch Tierarztl Wochenschr* 89: 156-61, 15 Apr 76 (Ger) DL/76AUG467

### PERIPHERAL ARTERIAL DISEASE

**METABOLIC AND CARDIOVASCULAR ABNORMALITIES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE.** Vydén JK, Thorner J, Nagasawa K, Takano T, Groseth-Dittrich MF, Perlow R, Swan HJ *Am Heart J* 90: 703-8, Dec 75 (Eng) \*DL/76AUG604

### PERIPHERAL NERVE

**METABOLIC ABNORMALITIES CONTRIBUTING TO DIABETIC COMPLICATIONS. II. PERIPHERAL NERVES.** Anderson JW *Am J Clin Nutr* 29: 402-8, Apr 76 (Eng) [67] DL/76AUG427

### PERIPHERAL RETINAL ABLATION

**THE ELECTRORETINOGRAM AFTER PERIPHERAL RETINAL ABLATION IN DIABETIC RETINOPATHY.** Ogden TE, Calhoun F, Riekhof FT *Am J Ophthalmol* 81: 397-402, Apr 76 (Eng) DL/76AUG434

### PERIPHERAL TISSUE

**HEMODYNAMIC AND METABOLIC ALTERATIONS IN PERIPHERAL TISSUE DURING HEMORRHAGIC SHOCK.** Shearburn EW 3d, Craig WD, Maitland CL, Howard PL, McCoy S, Drucker WR *Am Surg* 41: 696-703, Nov 75 (Eng) \*DL/76AUG890

### PERMEABILITY

**D-GLUCOSE PERMEABILITY OF BLACK LIPID MEMBRANES MODIFIED BY HUMAN ERYTHROCYTE MEMBRANE FRACTIONS.** Lidgard GP, Jones MN *J Membr Biol* 21: 1-10, 23 Apr 75 (Eng) \*DL/76AUG556

**PERMEABILITY CHARACTERISTICS OF THE ADIPOCYTE CELL MEMBRANE AND PARTITIONING CHARACTERISTICS OF THE ADIPOCYTE TRIGLYCERIDE CORE.** Sherill BC, Dietschy JM *J Membr Biol* 23: 367-83, 1975 (Eng) \*DL/76AUG558

**D-GALACTOSE ACCUMULATION IN RABBIT ILEUM. EFFECTS OF THEOPHYLLINE ON SEROSAL PERMEABILITY.** Holman GD, Naf-talin RJ *Biochim Biophys Acta* 406: 386-401, 17 Oct 75 (Eng) \*DL/76AUG630

### PEROXIDE

**EVALUATION OF PEROXYOXALATE CHEMILUMINESCENCE FOR DETERMINATION OF ENZYME GENERATED PEROXIDE.** Williams DC 3d, Huff GF, Seitz WR *Anal Chem* 48: 1003-6, Jun 76 (Eng) DL/76AUG447

### PEROXYOXALATE

**EVALUATION OF PEROXYOXALATE CHEMILUMINESCENCE FOR DETERMINATION OF ENZYME GENERATED PEROXIDE.** Williams DC 3d, Huff GF, Seitz WR *Anal Chem* 48: 1003-6, Jun 76 (Eng) DL/76AUG447

### PERSONALITY

**HABITUAL EXERCISERS: A BLOOD SERUM AND PERSONALITY PROFILE.** Jette M *J Sports Med* 3: 12-7, Jan-Feb 75 (Eng) \*DL/76AUG561

### PH

**STIMULATION OF LACTIC ACID PRODUCTION IN CHICK EMBRYO FIBROBLASTS BY SERUM AND HIGH PH IN THE ABSENCE OF EXTERNAL GLUCOSE.** Fodge DW, Rubin H *J Cell Physiol* 86: 453-7, Dec 75 (Eng) \*DL/76AUG539

### PHAGOCYTOSIS

**STIMULATION BY PROPYLTHIOURACIL OF THE HEXOSE MONOPHOSPHATE SHUNT IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES DURING PHAGOCYTOSIS.** Tsan MF, McIntyre PA *Br J Haematol* 31: 193-208, Oct 75 (Eng) \*DL/76AUG472

### PHARMACOLOGIC RECEPTOR

**THE TRANSPORT ENZYME: PHARMACOLOGIC RECEPTOR FOR CARDIAC GLYCOSIDES.** Allen JC, Entman ML, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 131-7, 1974 (Eng) \*DL/76AUG817

### PHASE, EARLY

**[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE]** Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

### PHASE SEPARATION

**CALCIUM-INDUCED PHASE SEPARATION AND FUSION IN PHOSPHOLIPID MEMBRANES.** Papahadjopoulos D, Poste G *Biophys J* 15: 945-8, Sep 75 (Eng) \*DL/76AUG636

### PHASE TRANSITION

**PHASE TRANSITIONS AND FLUIDITY CHARACTERISTICS OF LIPIDS AND CELL MEMBRANES.** Chapman D *Q Rev Biophys* 8: 185-235, May 75 (Eng) [246] \*DL/76AUG786

### PHENFORMIN

**LETTER: PHENFORMIN AND LACTIC ACIDOSIS.** Edwards JC *Br Med J* 1: 584, 6 Mar 76 (Eng) DL/76AUG15

**SEVERE HYPONATRAEMIA IN DIABETIC PATIENTS TREATED WITH CHLORPROPAMIDE OR PHENFORMINE.** de Troyer A, Devis G, Demanet JC *Acta Clin Belg* 30: 108-14, 1975 (Eng) DL/76AUG398

### PHENOXYBENZAMINE

**INFLUENCE OF PHENOXYBENZAMINE ON METHAMPHETAMINE-INDUCED CHANGES IN LOCOMOTOR ACTIVITY, OXYGEN CONSUMPTION, BODY TEMPERATURE AND SOME METABOLIC PARAMETERS.** Estler CJ *Neuropharmacology* 14: 779-83, Oct 75 (Eng) \*DL/76AUG577

### PHENTOLAMINE

**THE EFFECT OF PROPRANOLOL AND PHENTOLAMINE ON SERUM GASTRIN CONCENTRATION IN RESPONSE TO RESPIRATORY ACIDOSIS IN NORMAL MAN.** Kaess H, Utz G, Teckentrup U, Hauck AM, Dorner M *Eur J Clin Invest* 5: 401-8, 12 Sep 75 (Eng) \*DL/76AUG678

### PHENYTOIN

**LETTER: PHENYTOIN IN METASTATIC INSULINOMA.** Aderka D, Shakrai M, Doron M, Laron Z, Pinkhas J, De Vries A *JAMA* 234: 1119, 15 Dec 75 (Eng) \*DL/76AUG733

### PHLORHIZIN

**[EFFECT OF ALANINE ON ACETONEMIA IN COWS AND ON PHLORHIZIN-INDUCED ACETONEMIA IN SHEEP]** Weik H, Zander HD *Zentralbl Veterinärmed [A]* 22: 520-3, Aug 75 (Ger) \*DL/76AUG869

### PHOSPHATASE, ALKALINE

**RADIATION EFFECTS ON ALKALINE PHOSPHATASE AND GLUCOSE-6-PHOSPHATASE IN ANATOMICALLY DIFFERENT REGIONS OF MOUSE INTESTINE.** Kaur A, Dubey DP, Gupta GS *Strahlentherapie* 150: 427-32, Oct 75 (Eng) \*DL/76AUG855

### PHOSPHATE, INORGANIC

**INTERACTION OF HOMOGENEOUS MITOCHONDRIAL ATPASE FROM RAT LIVER WITH ADENINE NUCLEOTIDES AND INORGANIC PHOSPHATE.** Pedersen PL *J Supramol Struct* 3: 222-30, 1975 (Eng) \*DL/76AUG739

### PHOSPHATE TRANSPORT

**PHOSPHATE AND SUBSTRATE TRANSPORT BY ISOLATED HEART MITOCHONDRIA.** Brierley GP, Scott KM, Jurkowitz M, Merola AJ *Recent Adv Stud Cardiac Struct Metab* 4: 245-52, 1974 (Eng) \*DL/76AUG820

### PHOSPHATIDYL CHOLINE

**PHOSPHATIDYL CHOLINE: DONOR OF 18-CARBON UNSATURATED FATTY ACIDS FOR GLYCEROLIPID BIOSYNTHESIS.** Roughan PG *Lipids* 10: 609-14, Oct 75 (Eng) \*DL/76AUG743

### PHOSPHOENOLPYRUVATE

**INTERACTION OF ENZYME I OF THE PHOSPHOENOLPYRUVATE-SUGAR PHOSPHOTRANSFERASE SYSTEM WITH ADENYLATE CYCLASE OF ESCHERICHIA COLI.** Peterkofsky A, Gazdar C *Proc Natl Acad Sci USA* 72: 2920-4, Aug 75 (Eng) \*DL/76AUG760

**TRANSPORT OF PHOSPHOENOLPYRUVATE THROUGH RED CELL MEMBRANE IN ACIDIFIED ISOTONIC SUCROSE MEDIUM.** Tomoda A, Hamasaki N, Minakami S *Biochem Biophys Res Commun* 66: 1127-30, 27 Oct 75 (Eng) \*DL/76AUG914

### PHOSPHOENOLPYRUVATE CARBOXYKINASE

**HORMONAL CONTROL OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY DURING DEVELOPMENT OF THE RAT.** Hauser CA, Bailey E *Enzyme* 21: 115-26, 1976 (Eng) DL/76AUG83

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PURIFICATION AND PHYSIOLOGICAL ROLE OF A PEPTIDE STABILIZING FACTOR OF RAT LIVER PHOSPHOFRUCTOKINASE. Du-naway GA, Segal HL *J Biol Chem* 251: 2323-9, 25 Apr 76 (Eng) DL/76AUG133

ISOLATION AND CHARACTERIZATION OF A PYROPHOSPHATE-DEPENDENT PHOSPHOFRUCTOKINASE FROM PROPIONIBACTERIUM SHERMANII O'Brien WE, Bowien S, Wood HG *J Biol Chem* 250: 8690-5, 25 Nov 75 (Eng) \*DL/76AUG716

#### 1-PHOSPHOFRUCTOKINASE

CATABOLISM OF D-FRUCTOSE AND D-RIBOSE BY PSEUDOMONAS DOUDOROFFII. II. PROPERTIES OF 1-PHOSPHOFRUC-TOKINASE AND 6-PHOSPHOFRUC-TOKINASE. Baumann L, Baumann P *Arch Microbiol* 105: 241-8, 7 Nov 75 (Eng) \*DL/76AUG903

#### 6-PHOSPHOFRUCTOKINASE

CATABOLISM OF D-FRUCTOSE AND D-RIBOSE BY PSEUDOMONAS DOUDOROFFII. II. PROPERTIES OF 1-PHOSPHOFRUC-TOKINASE AND 6-PHOSPHOFRUC-TOKINASE. Baumann L, Baumann P *Arch Microbiol* 105: 241-8, 7 Nov 75 (Eng) \*DL/76AUG903

#### PHOSPHOLIPID

DETERMINANTS OF THE FORMATION AND ACTIVITY OF FACTOR V-PHOSPHOLIPID COMPLEXES. I. INFLUENCE OF PHOSPHOLIPID STRUCTURE. Kandall CL, Shohet SB, Akinbami TK, Colman RW *Thromb Diath Haemorrh* 34: 256-70, 30 Sep 75 (Eng) \*DL/76AUG849

#### PHOSPHOLIPID MEMBRANE

CALCIUM-INDUCED PHASE SEPARATION AND FUSION IN PHOSPHOLIPID MEMBRANES. Papahadjopoulos D, Poste G *Biophys J* 15: 945-8, Sep 75 (Eng) \*DL/76AUG636

#### PHOSPHOLIPID VESICLE

THE INTERACTION OF PHOSPHOLIPID VESICLES WITH MAMMALIAN CELLS IN VITRO. Papahadjopoulos D, Poste G, Mayhew E *Biochem Soc Trans* 3: 606-8, 1975 (Eng) \*DL/76AUG502

PURIFICATION AND MOLECULAR PROPERTIES OF THE (SODIUM+ POTASSIUM)-ADENOSINETRIPHOSPHATASE AND RECONSTITUTION OF COUPLED SODIUM AND POTASSIUM TRANSPORT IN PHOSPHOLIPID VESICLES CONTAINING PURIFIED ENZYME. Hokin LE *J Exp Zool* 194: 197-205, Oct 75 (Eng) [56] \*DL/76AUG547

#### PHOSPHOLIPID-PROTEIN INTERACTION

EXPERIMENTAL ALTERATION OF PHOSPHOLIPID-PROTEIN INTERACTIONS WITHIN THE HUMAN ERYTHROCYTE MEMBRANE. DEPENDENCE ON GLYCOLYTIC METABOLISM. Haest CB, Deuticke B *Biochim Biophys Acta* 401: 468-80, 2 Sep 75 (Eng) \*DL/76AUG626

#### PHOSPHORUS

[CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS

INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA] Hadlich M, Kolb E *Arch Exp Veterinaarmed* 29: 379-95, Jun 75 (Ger) \*DL/76AUG904

#### PHOSPHORYLASE

REGULATION OF PLATELET PHOSPHORYLASE. Chaiken R, Pagano D, Detwiler TC *Biochim Biophys Acta* 403: 315-25, 22 Oct 75 (Eng) \*DL/76AUG627

INTERACTION OF FOUR METHYLXANTHINE COMPOUNDS AND NOREPINEPHRINE ON CARDIAC PHOSPHORYLASE ACTIVATION AND CARDIAC CONTRACTILITY. McNeill JH, Brenner MJ, Muschek LD *Recent Adv Stud Cardiac Struct Metab* 3: 261-73, 1973 (Eng) \*DL/76AUG795

#### PHOSPHORYLASE A

EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES. Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschkoff S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

#### PHOSPHORYLATING ACTIVITY

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLL. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

#### PHOSPHORYLATION

TRANSPORT-ASSOCIATED PHOSPHORYLATION OF 2-DEOXY-D-GLUCOSE IN SACCAROMYCES FRAGILIS. Jaspers HT, van Steveninck J *Biochim Biophys Acta* 406: 370-85, 17 Oct 75 (Eng) \*DL/76AUG629

#### PHOSPHOTRANSFERASE SYSTEM

INTERACTION OF ENZYME I OF THE PHOSPHOENOLPYRUVATE-SUGAR PHOSPHOTRANSFERASE SYSTEM WITH ADENYLATE CYCLASE OF ESCHERICHIA COLI. Peterkofsky A, Gazdar C *Proc Natl Acad Sci USA* 72: 2920-4, Aug 75 (Eng) \*DL/76AUG760

#### PHOTOCOAGULATION

IMMEDIATE FUNDUS COMPLICATIONS AFTER RETINAL SCATTER PHOTOCOAGULATION. I. CLINICAL PICTURE AND PATHOGENESIS. Huamonte FU, Peyman GA, Goldberg MF, Lockett A *Ophthalmol Surg* 7: 88-99, Spring 76 (Eng) DL/76AUG280

PRELIMINARY REPORT ON EFFECTS OF PHOTOCOAGULATION THERAPY. THE DIABETIC RETIOPATHY STUDY RESEARCH GROUP. Anonymous Am *J Ophthalmol* 81: 383-96, Apr 76 (Eng) DL/76AUG433

#### PHOTOKINETIC TECHNIQUE

DETERMINATION OF D-3-HYDROXYBUTYRATE DEHYDROGENASE IN MOUSE PANCREATIC ISLETS WITH A

PHOTOKINETIC TECHNIQUE USING BACTERIAL LUCIFERASE. Berne C *Enzyme* 21: 127-36, 1976 (Eng) DL/76AUG84

#### PHENYLALANINE

HISTIDINE:PYRUVATE TRANSAMINATION AND PHENYLALANINE:PYRUVATE TRANSAMINATION MAY BE CATALYZED BY THE SAME ENZYME. Shih JC, Chiu RH, Chan YL *Biochem Biophys Res Commun* 68: 1348-55, 23 Feb 76 (Eng) DL/76AUG468

#### PHYSICAL CONDITIONING

EFFECT OF PHYSICAL CONDITIONING UPON METABOLISM AND PERFORMANCE OF THE RAT HEART. Scheuer J, Penpargkul S, Bhan AK *Recent Adv Stud Cardiac Struct Metab* 3: 145-59, 1973 (Eng) \*DL/76AUG789

#### PHYSICAL EXERCISE

[GLUCOSE CONCENTRATION IN BLOOD DURING EXERCITION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCITION IN VARIOUS BREEDS OF SWINE] Bunker U, Steinhart M, Riehm G, Gohler H, Bunker B, Lyhs L *Arch Exp Veterinaarmed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISOLATED AFTER AORTIC CONSTRICTION, STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT. Wollenberger A, Kleitke B *Recent Adv Stud Cardiac Struct Metab* 3: 535-50, 1973 (Eng) \*DL/76AUG804

#### PHYSICAL EXERTION

[EFFECT OF ANEMIA ON VARIOUS REACTIONS OF THE DOMESTIC SWINE DUE TO PHYSICAL EXERCITION. 3. CHANGES IN PLASMA GLUCOSE AND LACTIC ACID CONCENTRATIONS] Bunker U, Steinhart M, Riehm G, Lyhs L *Arch Exp Veterinaarmed* 29: 581-93, 1975 (Ger) \*DL/76AUG905

#### PHYSICIAN

PREVENTION OF CORONARY HEART DISEASE. REPORT OF A JOINT WORKING PARTY OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND THE BRITISH CARDIAC SOCIETY. Anonymous *JR Coll Physicians Lond* 10: 213-75, Apr 76 (Eng) DL/76AUG200

#### PHYSIOPATHOLOGY

[PHYSIOPATHOLOGY, CLINICAL ASPECTS AND TREATMENT OF DIABETIC ANGIOPATHIES] Ciannaichella A *Clin Ter* 74: 109-21, 31 Jul 75 (Ita) DL/76AUG48

#### PHYTOENZYME

PHYTOENZYME SYSTEMS AS MODELS FOR AN UNDERSTANDING OF GENERAL METABOLIC PATHWAYS. Stumpf PK *J Exp Zool* 194: 189-96, Oct 75 (Eng) [14] \*DL/76AUG546

#### PINEAL

RAPID CHANGES IN RAT PINEAL BETA-ADRENERGIC RECEPTOR: ALTERATIONS IN L-(3H)ALPRENOLOL BINDING AND ADENYLATE CYCLASE. Kebabian JW, Zatz M, Romero JA, Axelrod J *Proc Natl Acad Sci USA* 72: 3735-9, Sep 75 (Eng) \*DL/76AUG766

## Diabetes Literature—Keyword Index

### PIPERACETAZINE

LETTER: ENERGIZING EFFECTS OF PIPERACETAZINE. Galambos M *Am J Psychiatry* 132: 1333-4, Dec 75 (Eng) \*DL/76AUG610

### PITUITARY

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL. CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

[FUNCTIONAL DIENCEPHALO-PITUITARY DIAGNOSIS BY MEANS OF RADIOIMMUNOASSAY] Iacono G *Quadrado Slavo Diagn* 11: 218-38, Jun 75 (Ita) DL/76AUG327

### PITUITARY ADENOMA

TRANSPLANTABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS. Stekar J *Z Krebsforsch* 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390

### PITUITARY FUNCTION

ECTOPIC PITUITARY FUNCTION. Lindholm J, Korsgaard O, Rasmussen P *Acta Med Scand* 198: 299-302, Oct 75 (Eng) \*DL/76AUG878

### PITUITARY INHIBITING HORMONE

[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY] Gonzalez-Barcelona D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

### PITUITARY STALK LESION

EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS. Laszlo FA, Durszt F, Varga P, Czako L *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77

### PLACENTA

THE DISTRIBUTION OF PLACENTAL LACTOGEN IN THE HUMAN TERM PLACENTA. Gau G, Chard T *Br J Obstet Gynaecol* 82: 790-3, Oct 75 (Eng) \*DL/76AUG473

TRANSFER OF FATTY ACIDS ACROSS THE RABBIT PLACENTA. Elphick MC, Hudson DG, Hull D *J Physiol (Lond)* 252: 29-42, Oct 75 (Eng) \*DL/76AUG553

[HORMONAL FUNCTION OF THE PLACENTA] Dassler CG, Kyank HR *Z Aerzt Fortbild (Jena)* 69: 823-8, 1 Aug 75 (Ger) \*DL/76AUG593

EXPERIMENTS ON INFARCT GENESIS CAUSED BY BLOCKAGE OF CARBOHYDRATE METABOLISM IN GUINEA PIG PLACENTAE. Kaufmann P *Virchows Arch [Pathol Anat]* 368: 11-21, 7 Oct 75 (Eng) \*DL/76AUG858

### PLACENTA, HUMAN

[CHANGES IN GLUCOSE-6-PHOSPHATE DEHYDROGENASE ACTIVITY IN THE HUMAN PLACENTA DURING PREGNANCY] Csaba I, Nagy P, Szabo I, Bucsi G, Varga K *Zentralbl Gynaekol* 97: 714-7, 1975 (Ger) \*DL/76AUG866

### PLACENTAL HEXOKINASE

PROPERTIES OF HUMAN PLACENTAL HEXOKINASE. Gustke H-H *Enzyme* 20: 292-304, 1975 (Eng) \*DL/76AUG497

### PLACENTAL LACTOGEN

THE DISTRIBUTION OF PLACENTAL LACTOGEN IN THE HUMAN TERM PLACENTA. Gau G, Chard T *Br J Obstet Gynaecol* 82: 790-3, Oct 75 (Eng) \*DL/76AUG473

### PLACENTAL WEIGHT

CORRELATION BETWEEN HUMAN CHORIONIC SOMATOMAMMOTROPIN AND PLACENTAL WEIGHT. Rolschau J, Date J, Kristoffersen K, Pedersen GT, Ulrich M *Acta Obstet Gynecol Scand* 54: 341-6, 1975 (Eng) \*DL/76AUG598

### PLASMA MEMBRANE

ELECTROGENIC PROTON TRANSPORT IN THE PLASMA MEMBRANE OF NEUROSPORA. Slayman CL, Gradmann D *Biophys J* 15: 968-71, Sep 75 (Eng) \*DL/76AUG639

### PLAQUE, FIBROUS

CLONAL CHARACTERISTICS OF FIBROUS PLAQUES AND FATTY STREAKS FROM HUMAN AORTAS. Pearson TA, Wang BA, Solez K, Heptinstall RH *Am J Pathol* 81: 379-87, Nov 75 (Eng) \*DL/76AUG880

### PLASMA

SOMATOMEDIN A AND B: DEMONSTRATION OF TWO DIFFERENT SOMATOMEDIN-LIKE COMPONENTS IN HUMAN PLASMA. Wasteson A, Westermarck B, Uthne K *Adv Metab Disord* 8: 101-13, 1975 (Eng) [23] \*DL/76AUG600

### PLASMA APOPROTEIN

CARBOHYDRATE CONTENT OF HUMAN VLDL, IDL, LDL, AND HDL PLASMA APOPROTEINS FROM FASTING NORMAL AND HYPERLIPIDEMIC PATIENTS. Fontaine M, Malmendier CL *Clin Chim Acta* 64: 91-3, 1 Oct 75 (Eng) \*DL/76AUG662

### PLASMA, BLOOD

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszky J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

### PLASMA CALCITONIN

[PLASMA CALCITONIN LEVELS AND METABOLIC EFFECTS OF PORCINE CALCITONIN IN NEWBORN LAMBS (AUTHORS TRANSL.)] Barlet JP, Michel MC, Theriez M, Savajol H, Garel JM *J Physiol (Paris)* 68: 519-29, 1974 (Fre) \*DL/76AUG554

### PLASMA CORTICOSTERONE SECRETION

PLASMA CORTICOSTERONE SECRETION IN RATS AFTER IRRADIATION. Groza P, Vladescu C *Physiologie* 12: 53-5, 1975 (Eng) \*DL/76AUG584

## PLASMA MEMBRANE

### PLASMA GLUCOSE

RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS. Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensick JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

RE-INCORPORATION OF CARBON ATOMS INTO PLASMA GLUCOSE IN NEWBORN DOGS. Hall SE, Hetenyi G Jr *Can J Physiol Pharmacol* 53: 967-8, Oct 75 (Eng) \*DL/76AUG476

A NEW FAT-DEPENDENT TIME-MODIFIED RELATIONSHIP BETWEEN BASAL PLASMA GLUCOSE LEVELS AND THE EARLY GLUCOSE RESPONSE TO ORAL GLUCOSE LOADING IN NORMAL HUMAN SUBJECTS. Trenchard PM *Clin Chim Acta* 65: 139-42, 15 Nov 75 (Eng) \*DL/76AUG480

THE EFFECT OF ETHYLURETHANE ON HEMATOCRIT, BLOOD PRESSURE AND PLASMA-GLUCOSE. Van Der Meer C, Versluis-Broers JA, Tuynman HA, Buur VA *Arch Int Pharmacodyn Ther* 217: 257-75, Oct 75 (Eng) \*DL/76AUG901

[EFFECT OF ANEMIA ON VARIOUS REACTIONS OF THE DOMESTIC SWINE DUE TO PHYSICAL EXERTION. 3. CHANGES IN PLASMA GLUCOSE AND LACTIC ACID CONCENTRATIONS] Bunge U, Steinhardt M, Riehm G, Lyhs L *Arch Exp Veterinaermed* 29: 581-93, 1975 (Ger) \*DL/76AUG905

### PLASMA GROWTH HORMONE

INCREASE IN PLASMA GROWTH HORMONE CONCENTRATION: A NEW EFFECT OF HELIUM BREATHING. Raymond L, Sode J, Langworthy HC, Blosser J, Johnsonbaugh RE *Undersea Biomed Res* 1: 91-8, Mar 74 (Eng) \*DL/76AUG590

### PLASMA INSULIN

EFFECT OF FRACTIONATED INSULINS ON TOTAL PLASMA INSULIN BINDING CAPACITY AND INSULIN REQUIREMENTS IN SEVERE DIABETES. Oakley NW *Lancet* 1: 994-6, 8 May 76 (Eng) DL/76AUG233

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

### PLASMA, INSULIN-FREE

EFFECTS OF INSULIN-FREE PLASMA ON THE CHARCOAL-SEPARATION METHOD FOR RADIOIMMUNOASSAY OF INSULIN. Frayn KN *Horm Metab Res* 8: 102-5, Mar 76 (Eng) DL/76AUG110

### PLASMA MEMBRANE

YEAST PLASMA MEMBRANE VESICLES SUITABLE FOR TRANSPORT STUDIES. Wehrli E, Boehm C, Fuhrmann GF *J Bacteriol* 124: 1594-7, Dec 75 (Eng) \*DL/76AUG525

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

## Diabetes Literature—Keyword Index

### PLASMA METABOLITE

DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX. Kinne R, Shlitz LJ, Kinne-Saffran E, Schwartz IL. *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

STRUCTURE AND ACTIVE TRANSPORT IN THE PLASMA MEMBRANE OF THE TUBULES OF FROG KIDNEY. Bresler VM, Bresler SE, Nikiforov AA. *Biochim Biophys Acta* 406: 526-37, 3 Nov 75 (Eng) \*DL/76AUG631

ADENOSINE-3:5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME. Azhar S, Menon KM. *Eur J Biochem* 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674

MAMMALIAN PLASMA MEMBRANES. Bretscher MS, Raff MC. *Nature* 258: 43-9, 6 Nov 75 (Eng) [84] \*DL/76AUG753

### PLASMA METABOLITE

EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS. Waterman RA, Romsos DR, Tsai AC, Miller EK, Leveille GA. *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779

### PLASMA PANCREATIC ENZYME

A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS. Harano Y, Shimizu Y, Yoshida M, Dtani N, Kim CI. *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399

### PLASMA SOMATOMEDIN

FURTHER OBSERVATIONS ON PLASMA SOMATOMEDIN ACTIVITY IN CHILDREN. van den Brande JL, van Buul S, Heinrich U, van Roon F, Zurcher T, van Steirteghem AC. *Adv Metab Disord* 8: 171-81, 1975 (Eng) \*DL/76AUG602

### PLASMA-GLUCOSE LEVEL

LETTER: MEASUREMENT OF PLASMA-GLUCOSE LEVELS IN THE SIDE-ROOM. Brunton WA, Percy-Robb IW. *Lancet* 2: 1153, 6 Dec 75 (Eng) \*DL/76AUG568

### PLATELET

PATTERNS OF FATTY ACID RELEASE FROM ENDOGENOUS SUBSTRATES BY HUMAN PLATELET HOMOGENATES AND MEMBRANES. Derksen A, Cohen P. *J Biol Chem* 250: 9342-7, 25 Dec 75 (Eng) \*DL/76AUG534

REGULATION OF PLATELET PHOSPHORYLASE. Chaiken R, Pagano D, Detweiler TC. *Biochim Biophys Acta* 403: 315-25, 22 Oct 75 (Eng) \*DL/76AUG627

BINDING OF ADENOSINE DIPHOSPHATE TO INTACT HUMAN PLATELETS. Born GV, Feinberg H. *J Physiol (Lond)* 251: 803-16, Oct 75 (Eng) \*DL/76AUG726

PROCEEDINGS: MECHANISM OF COLLAGE: GLUCOSYLTRANSFERASE AND ITS RELATION TO PLATELET: COLLAGE ADHESION. Smith DF, Kosow DP, Jamieson GA. *Thromb Diath Haemorrh* 34: 334, 30 Sep 75 (Eng) \*DL/76AUG850

DEPENDENCE OF PLATELET ADENYL CYCLASE SYSTEM ON OXIDATIVE PHOSPHORYLATION. Hashimoto S, Shibata S,

Kobayashi B. *Thromb Diath Haemorrh* 34: 42-9, 30 Sep 75 (Eng) \*DL/76AUG852

### PLATELET AGGREGATION

DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF. *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

### PLATELET BEHAVIOR

PROCEEDINGS: NEW SYNTHETIC DERIVATIVES OF NATURAL CYCLIC NUCLEOTIDES: THEIR EFFECT ON PLATELET BEHAVIOUR. Pareti FI, Mannucci L, Carrera D, Mannucci PM. *Thromb Diath Haemorrh* 34: 335-6, 30 Sep 75 (Eng) \*DL/76AUG851

### PLEOMORPHIC GLYCOGEN SITE

MASKING OF PLEOMORPHIC GLYCOGEN SITES BY METHANOLIC URANYL ACETATE. Bhatnagar R, Leeson TS. *Stain Technol* 50: 213-7, Jul 75 (Eng) \*DL/76AUG853

### POLYAMINE

POLYAMINE TRANSPORT AND METABOLISM IN MOUSE MAMMARY GLAND. GENERAL PROPERTIES AND HORMONAL REGULATION. Kano K, Oka T. *J Biol Chem* 251: 2795-800, 10 May 76 (Eng) DL/76AUG135

### POLYCHLORINATED BIPHENYLS

EFFECT OF POLYCHLORINATED BIPHENYLS AND THIAMIN DEFICIENCY ON LIVER METABOLISM IN GROWING RATS. Berdiner CD, Tobin RB, Nielsen RC, Mehlmann MA, Veech RL. *J Toxicol Environ Health* 1: 91-105, Sep 75 (Eng) \*DL/76AUG732

### POLYMER

[RADIOCHEMICAL CHANGES IN POLYMERS USED FOR PACKAGING DRUGS] PP. 159-69. Ivanov AI, Ponomarenko SI, Kovalchuk VM, Semenenko EI, Myshkovskii VI, I USON-Stiennon JA, Leclercq G. *In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Rus)* DL/76AUG185

### POLYMORPHONUCLEAR LEUKOCYTE

STIMULATION BY PROPYLTHIOURACIL OF THE HEXOSE MONOPHOSPHATE SHUNT IN HUMAN POLYMORPHONUCLEAR LEUKOCYTES DURING PHAGOCYTOSIS. Tsan MF, McIntyre PA. *Br J Haematol* 31: 193-208, Oct 75 (Eng) \*DL/76AUG472

INACTIVATION OF GLYCOGEN PHOSPHORYLASE OF HUMAN POLYMORPHONUCLEAR LEUKOCYTES. Rorth S, Wang P, Esman V. *Scand J Clin Lab Invest* 35: 355-61, Jul 75 (Eng) \*DL/76AUG844

### POLYNEUROPATHY

[DIAGNOSIS OF DIABETIC POLYNEUROPATHY] Manovich EE, Prikhodhan VM. *Sov Med* 64-7, Dec 75 (Rus) DL/76AUG344

LESIONS OF THE LEGS IN DIABETICS AND IN PATIENTS WITH FAMILIAL AMYLOIDOSIS AND POLYNEUROPATHY. Lihner F. *Acta Med Scand [Suppl]* 1-23, 1976 (Eng) DL/76AUG421

### POLYOL

METABOLISM AND PHYSIOLOGICAL EFFECTS OF THE POLYOLS (ALDITOLS). PP. 123-34. Touster O. *In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng)* [43] DL/76AUG174

[THE METABOLISM OF MONOSACCHARIDES AND POLYOLS] Forster H. *Infusionstherapie* 2: 187-201, Jun 75 (Ger) \*DL/76AUG701

### POLYPEPTIDE, GASTRIC INHIBITORY

THE EFFECT OF SOMATOSTATIN ON RELEASE AND INSULINOTROPIC ACTION OF GASTRIC INHIBITORY POLYPEPTIDE. Pederson RA, Dryburgh JR, Brown JC. *Can J Physiol Pharmacol* 53: 1200-5, Dec 75 (Eng) DL/76AUG25

### POLYPEPTIDE HORMONE

[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE] Frowein J, Petersen KG. *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 125I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjälve H. *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

### POLYPHOSPHOSITIDES

[METABOLISM OF LIVER POLYPHOSPHOSITIDES IN RATS DURING STIMULATING AND DEPRESSING INFLUENCES ON THE ORGANISM] Kiselev GV, Pavlinaova LI. *Bull Eksp Biol Med* 80: 40-3, Sep 75 (Rus) DL/76AUG10

### POLYUNSATURATED

EDITORIAL: POLYUNSATURATED BEEF-EATERS. Anonymous. *Lancet* 2: 960-1, 15 Nov 75 (Eng) \*DL/76AUG567

### POLYUNSATURATED BEEF-EATERS

EDITORIAL: POLYUNSATURATED BEEF-EATERS. Anonymous. *Lancet* 2: 960-1, 15 Nov 75 (Eng) \*DL/76AUG567

### POPULATION

EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN. Ueda K, Omae T, Hirota Y, Takeshita M, Hiyoshi Y. *J Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

DIABETES AMONG MEN IN A GENERAL POPULATION. PREVALENCE AND ASSOCIATED PHYSIOLOGICAL FINDINGS. Ostrander LD, Lamphiear DE, Block WD. *Arch Intern Med* 136: 415-20, Apr 76 (Eng) DL/76AUG456

### PORE SIZE

A DISTRIBUTED PORE SIZE MODEL FOR CAPILLARIES. Johnson JA, Levitt DG, Wangenstein OD, Bloom G. *Microvasc Res* 10: 217-9, Sep 75 (Eng) \*DL/76AUG747



## Diabetes Literature—Keyword Index

### PORPHYRIA

COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA. Bonkowsky HL, Magnusen CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

### PORPHYRIN

COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA. Bonkowsky HL, Magnusen CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

### PORTAL INFUSION

DRINKING AND FEEDING INDUCED BY JUGULAR AND PORTAL INFUSIONS OF 2-DEOXY-D-GLUCOSE. Russell PJ, Mogenson GJ *Am J Physiol* 229: 1014-8, Oct 75 (Eng) \*DL/76AUG882

### PORTAL VEIN

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prohs H, Messmer K, Bucklein R, Lob G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

### POSTNATAL

TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT. Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189

### POSTNATAL DEVELOPMENT

GLUCONEOGENESIS IN THE NEONATAL RAT: THE METABOLISM AND DISPOSITION OF ALANINE DURING POSTNATAL DEVELOPMENT. PP. 77-95. Snell K *In: Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [49] DL/76AUG168*

### POSTURAL HYPOTENSION

THERAPEUTIC EXPERIENCE WITH FLUDROCORTISONE IN DIABETIC POSTURAL HYPOTENSION. Campbell IW, Ewing DJ, Clarke BF *Br Med J* 1: 872-4, 10 Apr 76 (Eng) DL/76AUG19

### POTASSIUM

[STUDY OF THE CONTENT OF TOTAL POTASSIUM IN PATIENTS WITH DIABETES MELLITUS BY THE METHOD OF WHOLE BODY RADIOGRAPHY] Ershova LM, Gabuniia RI, Kaplan MA *Ter Arkh* 47: 117-9, 1975 (Rus) DL/76AUG348

PURIFICATION AND MOLECULAR PROPERTIES OF THE (SODIUM & POTASSIUM)-ADENOSINETRIPHOSPHATASE AND RECONSTITUTION OF COUPLED SODIUM AND POTASSIUM TRANSPORT IN PHOSPHOLIPID VESICLES CONTAINING PURIFIED ENZYME. Hokin LE *J Exp Zool* 194: 197-205, Oct 75 (Eng) [56] \*DL/76AUG547

INHIBITION OF SODIUM-POTASSIUM-ACTIVATED ADENOSINE TRIPHOSPHATASE BY K&-MG&&-ASPARTATE. Fedulesova M, Dzurbia A, Ziegelhoffer A *Recent Adv Stud Cardiac Struct Metab* 4: 155-9, 1974 (Eng) \*DL/76AUG819

### POTASSIUM DEFICIENCY

MYOCARDIAL FUNCTION AND SUBCELLULAR CALCIUM METABOLISM IN CHRONIC POTASSIUM DEFICIENCY. Sack DW, Kim ND, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 203-11, 1975 (Eng) \*DL/76AUG833

### POTASSIUM DEPLETION

4SCA2& ACCUMULATION BY MITOCHONDRIA AND SARCOPLASMIC RETICULUM IN CHRONIC POTASSIUM DEPLETION CARDIOMYOPATHY. Kim ND, Harrison CE *Recent Adv Stud Cardiac Struct Metab* 4: 551-62, 1974 (Eng) \*DL/76AUG824

### POTASSIUM ION

ROLE OF NA&-K&-ACTIVATED ADENOSINE TRIPHOSPHATASE IN THE TRANSMEMBRANE TRANSPORT OF K& AND NA&: RELATIONSHIPS TO THE INOTROPIC AND ELECTROPHYSIOLOGIC EFFECTS OF DIGITALIS. Ten Eick RE, Bassett AL, Okita GT *Recent Adv Stud Cardiac Struct Metab* 4: 107-17, 1974 (Eng) \*DL/76AUG816

CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC ACTION AND BINDING TO AND DISSOCIATION FROM NA&-K&-ACTIVATED ATPASE IN VITRO. Akera T, Baskin SI, Tobin T, Brody TM *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG818

INHIBITION OF SODIUM-POTASSIUM-ACTIVATED ADENOSINE TRIPHOSPHATASE BY K&-MG&&-ASPARTATE. Fedulesova M, Dzurbia A, Ziegelhoffer A *Recent Adv Stud Cardiac Struct Metab* 4: 155-9, 1974 (Eng) \*DL/76AUG819

MEMBRANE NA&-K&-ATPASE AND ELECTROMECHANICS OF HUMAN HEART. Prasad K *Recent Adv Stud Cardiac Struct Metab* 4: 91-105, 1974 (Eng) \*DL/76AUG826

CALCIUM UPTAKE AND STORAGE IN ISOLATED HEART MITOCHONDRIA INFLUENCED BY SODIUM AND POTASSIUM IONS. Noack E, Greeff K *Recent Adv Stud Cardiac Struct Metab* 5: 165-70, 1975 (Eng) \*DL/76AUG829

### POTASSIUM STATUS

POTASSIUM STATUS OF PATIENTS WITH CIRRHOSIS. Soler NG, Jain S, James H, Paton A *Gut* 17: 152-7, Feb 76 (Eng) DL/76AUG106

### POTENTIATION

POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN. Marco J, Hedo JA, Martinell J, Calle C, Villanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

POTENTIATION OF HYPOGLYCEMIC RESPONSE TO INTRAVENOUS TOLBUTAMIDE BY CLOFIBRATE. Ferrari C, Frezzati S, Testori GP, Bertazzoni A *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG265

### PRECURSOR

COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMIT-

## PREGNANCY, DIABETIC

TENT PORPHYRIA. Bonkowsky HL, Magnusen CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

### PREDIABETES

EXPERIMENTAL PREVENTION OF DIABETES IN PREDIABETICS: STUDIES OF CHINESE HAMSTERS. Gerritsen GC *Compr Ther* 1: 25-9, May 75 (Eng) DL/76AUG53

### PREDICTION

PREDICTION OF PROTEIN CONFORMATION: CONSEQUENCES AND ASPIRATIONS. PP. 114-25. Fasman GD, Chou PY *In: Blout ER, et al., ed. Peptides, polypeptides and proteins. New York, Wiley, 1974. W3RE441K 1974p. (Eng) [55] DL/76AUG161*

### PREDNISONE

FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY. Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

### PREGNANCY

DIABETES MELLITUS IN PREGNANCY. White P *Clin Perinatol* 1: 331-47, Sep 74 (Eng) [38] DL/76AUG47

THE SIGNIFICANCE OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN PREGNANCY. Perkins RP *Am J Obstet Gynecol* 125: 215-23, 15 May 76 (Eng) DL/76AUG431

REMISSION OF DIABETES MELLITUS DURING PREGNANCY. Gabbe SG, Dizerega GS, Mestman JH *Am J Obstet Gynecol* 125: 264-5, 15 May 76 (Eng) DL/76AUG432

[COURSE OF BLOOD SUGAR AND EOSINOPHIL COUNT DURING PREGNANCY IN CATLE] Talos V, Roth G, Pop P, Trif A *Itsch Tierarztl Wochenschr* 82: 286-8, 5 Jul 75 (Ger) \*DL/76AUG495

THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION. Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772

[PATHOGENESIS OF DISORDERS OF THE THYROID GLAND FUNCTION IN PREGNANCY] Bobik IuI, Kasatkina LA, Pashchenko AE, Mitso ASH, Fabri ZI *Vopr Okhr Materin Det* 19: 71-3, Feb 74 (Rus) \*DL/76AUG859

[CERTAIN INDICATORS OF THE FUNCTIONAL STATE OF FETOPLACENTAL COMPLEX IN PREGNANCY COMPLICATED BY LATE TOXEMIA AND THREATENED ABORTION] Anisimova MI, Eiber NS, Kiriasova ZhR *Vopr Okhr Materin Det* 19: 62-6, Apr 74 (Rus) \*DL/76AUG860

[CHANGES IN GLUCOSE-6-PHOSPHATE DEHYDROGENASE ACTIVITY IN THE HUMAN PLACENTA DURING PREGNANCY] Csaba I, Nagy P, Szabo I, Bucsi G, Varga K *Zentralbl Gynaekol* 97: 714-7, 1975 (Ger) \*DL/76AUG866

### PREGNANCY, DIABETIC

QUANTITATIVE DETERMINATION OF SEX HORMONE-BINDING GLOBULIN CAPACITY IN THE PLASMA OF NORMAL AND DIABETIC PREGNANCIES. De Hertogh R, Thomas K, Vanderheyden I *J Clin Endocrinol Metab* 42: 773-7, Apr 76 (Eng) DL/76AUG147

## Diabetes Literature—Keyword Index

### PREGNANCY, HIGH RISK

**DIABETIC PREGNANCY.** Brundenell M *Nurs Mirror* 142: 60-2, 8 Apr 76 (Eng) DL/76AUG300

### PREGNANCY, HIGH RISK

[ADENOSINE-3, 5-MONOPHOSPHATE IN AMNIOTIC FLUID OF NORMAL AND HIGH-RISK PREGNANCY (AUTHORS TRANSL.) Dudenhausen JW, Dudenhausen R *Z Geburtshilfe Perinatol* 180: 46-50, Feb 76 (Ger) DL/76AUG388

### PREGNANT WOMAN

[NORMOGLYCEMIC GLYCOSURIA IN PREGNANT WOMEN. DISCUSSION CONTRIBUTION TO THE ARTICLE OF ASSISTANT PROF. PAV AND SPERL, M.D. TUBULAR EXTRACTION OF GLUCOSE IN PREGNANT WOMEN VNIIRI LK. 21, 1975, 12, P.1166-9] Rames I *Vnitri Lek* 22: 401-2, Apr 76 (Cze) DL/76AUG364

### PRESSURE, BLOOD

[EVOLUTION OF THE DIABETIC RETINOTHERAPY IN CONNECTION WITH THE TYPE AND DURATION OF DIABETES, PATIENTS AGE AND BLOOD PRESSURE (AUTHORS TRANSL.) Civeira F, Civeira E *Folia Clin Int (Harc)* 25: 524-37, Oct 75 (Spa) DL/76AUG94

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhomberg P, Dyer A, Berkson DM, Reedus W, Wannamaker J *J Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

THE EFFECT OF ETHYLURETHANE ON HEMATOCRIT, BLOOD PRESSURE AND PLASMA-GLUCOSE. Van Der Meer C, Verschuys-Broers JA, Tuynman HA, Buur VA *Arch Int Pharmacodyn Ther* 217: 257-75, Oct 75 (Eng) \*DL/76AUG901

### PRESSURE, PERFUSION

THE RESPONSE OF BLOOD FLOW TO ALTERED PERFUSION PRESSURE IN CANINE ADIPOSE TISSUE. Ballard K, Allipoulos JC *Proc Soc Exp Biol Med* 150: 65-70, Oct 75 (Eng) \*DL/76AUG780

### PREVENTION

PREVENTION OF CORONARY HEART DISEASE. Anonymous *Br Med J* 1: 881-2, 10 Apr 76 (Eng) DL/76AUG21

EXPERIMENTAL PREVENTION OF DIABETES IN PREDIABETICS: STUDIES OF CHINESE HAMSTERS. Gerritsen GC *Compr Ther* 1: 25-9, May 75 (Eng) DL/76AUG53

PREVENTION OF CORONARY HEART DISEASE. REPORT OF A JOINT WORKING PARTY OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND THE BRITISH CARDIAC SOCIETY. Anonymous *J R Coll Physicians Lond* 10: 213-75, Apr 76 (Eng) DL/76AUG200

REDUCTION IN MYOCARDIAL INFARCT SIZE: PREVENTION OF HEART CELL

DEATH. Kones RJ, Phillips JH *South Med J* 69: 442-8, Apr 76 (Eng) DL/76AUG342

[POSSIBILITIES IN PREVENTION OF MANIFEST DIABETES MELLITUS IN POTENTIAL DIABETICS (PRELIMINARY REPORT)] Dvorakova L, Valnickova J, Mikan M, Prokes J *Vnitri Lek* 22: 262-7, Mar 76 (Cze) DL/76AUG360

[ROLE OF NUTRITION IN THE PREVENTION AND TREATMENT OF ATHEROSCLEROSIS] Szostak WB *Wiad Lek* 29: 709-13, 15 Apr 76 (Pol) [0] DL/76AUG375

[DIAGNOSIS OF THE EARLY STAGES OF DIABETES AND PREVENTION OF DIABETES MANIFESTATIONS] Michaelis D, Neumann I, Schulz B *Z Gesamte Inn Med* 30: 42-4, May 75 (Ger) DL/76AUG386

[PATHOGENIC CHARACTERISTICS OF THE EARLY STAGES OF DIABETES MELLITUS AND PREVENTIVE CONSEQUENCES] Popov A *Z Gesamte Inn Med* 30: 44-8 contd, May 75 (Ger) DL/76AUG387

### PROGESTERONE

INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOGEN PHOSPHORYLASE. Rinard GA, Chew CS *Life Sci* 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572

### PROGNOSIS

[CHILDREN OF DIABETIC MOTHERS-RELATIONSHIP BETWEEN METABOLIC CONDITIONS AFTER DELIVERY AND LONG-TERM PROGNOSIS] Zezulakova J, Pribylova H *Cesk Pediatr* 31: 57-60, Feb 76 (Cze) DL/76AUG33

### PRO-DIABAN

[DIABETES THERAPY WITH A NEW ANTIDIABETIC PRO-DIABAN] Dols W *Ther Ggw* 115: 428-36, Mar 76 (Ger) DL/76AUG351

### PROLACTIN

CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER. Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69

PROLACTIN AND GONADAL FUNCTION. Besser GM, Thorner MO *Pathol Biol (Paris)* 23: 779-82, Dec 75 (Eng) DL/76AUG281

EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN. Lal S, Tolis G, Martin SB, Brown GM, Guyda H *J Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

HETEROGENEITY OF HUMAN GROWTH HORMONE AND PROLACTIN SECRETED IN VITRO: IMMUNOASSAY AND RADIORECEPTOR ASSAY CORRELATIONS. Guyda JH *J Clin Endocrinol Metab* 41: 953-67, Nov 75 (Eng) \*DL/76AUG719

### 1,2-PROPANEDIOL

EFFECTS OF 1,3-BUTANEDIOL AND 1,2-PROPANEDIOL ON BLOOD KETONE BODIES AND GLUCOSE IN SHEEP FED RESTRICTED DIETS. Emmanuel B, Nahapetian A *J Anim Sci* 41: 1468-73, Nov 75 (Eng) \*DL/76AUG523

### PROPIONIBACTERIUM SHERMANII

ISOLATION AND CHARACTERIZATION OF A PYROPHOSPHATE-DEPENDENT FROM PHOSPHOFRUCTOKINASE FROM PROPIONIBACTERIUM SHERMANII. O'Brien WE, Bowien S, Wood HG *J Biol Chem* 250: 8690-5, 25 Nov 75 (Eng) \*DL/76AUG716

### PROPRANOLOL

[PROPRANOLOL-GLUCAGON LOADING TEST] Okada Y, Watanabe K, Hata T, Kumahara Y *Jpn J Clin Med* 34: 410-3, 10 Feb 76 (Jpn) DL/76AUG211

THE EFFECT OF PROPRANOLOL AND PHEN-TOLAMINE ON SERUM GASTRIN CONCENTRATION IN RESPONSE TO RESPIRATORY ACIDOSIS IN NORMAL MAN. Kaess H, Utz G, Teckentrup U, Hauck AM, Dörner M *Eur J Clin Invest* 5: 401-8, 12 Sep 75 (Eng) \*DL/76AUG678

### PROPYLTHIOURACIL

STIMULATION BY PROPYLTHIOURACIL OF THE HEXOSE MONOPHOSPHATE SHUNT IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES DURING PHAGOCYTOSIS. Tsan MF, McIntyre PA *Br J Haematol* 31: 193-208, Oct 75 (Eng) \*DL/76AUG472

### PROSTAGLANDIN

THE ROLE OF CYCLIC AMP AND PROSTAGLANDINS IN HEPATIC AND GASTROINTESTINAL FUNCTIONS. PP. 75-117. Levine RA *In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p* 1972. (Eng) [95] DL/76AUG180

INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS. Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

### PROSTAGLANDIN E1

PROSTAGLANDIN E1 INDUCED CHANGES IN CYCLIC AMP LEVELS IN WI-38 HUMAN FIBROBLASTS. TWO DIFFERENT EFFECTS OF CELL DENSITY. O'Neill JP, Hsie AW *Biochim Biophys Acta* 404: 243-8, 9 Oct 75 (Eng) \*DL/76AUG628

### PROTAMINE

PROTAMINE INHIBITION OF THE OXIDATIVE PHOSPHORYLATION IN INTACT, CYTOCHROME C-DEPLETED AND RESTORED MITOCHONDRIA. Kossekova GP, Mitovska MI, Dancheva KI *Acta Biol Med Ger* 34: 539-47, 1975 (Eng) \*DL/76AUG870

### PROTEIN

LETTER: OLIGOPEPTIDES AS POTENTIAL ANTIAGGREGATION AGENT FOR PROTEINS: HEMOGLOBIN S GEL AND INSULIN DIMER. Kubota S, Chang CT, Samejima T, Yang JT *J Am Chem Soc* 98: 2677-8, 28 Apr 76 (Eng) DL/76AUG154

EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES. PP. 129-47. McCarty KS Jr, McCarty KS Sr *In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38* 1973. (Eng) DL/76AUG164

## Diabetes Literature—Keyword Index

**DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS.** Kochakian CD *Pharmacol Ther [B]* 1: 149-77, 1975 (Eng) [442] DL/76AUG324

**AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPLANCHNIC BED AFTER A PROTEIN MEAL.** Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

**EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED INTESTINAL EPITHELIAL CELLS OF THE CHICK.** Raheja KL, Tepperman J, Tepperman HM. *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548

**EXPERIMENTAL ALTERATION OF PHOSPHOLIPID-PROTEIN INTERACTIONS WITHIN THE HUMAN ERYTHROCYTE MEMBRANE. DEPENDENCE ON GLYCOLYTIC METABOLISM.** Haest CW, Deuticke B. *Biochim Biophys Acta* 401: 468-80, 2 Sep 75 (Eng) \*DL/76AUG626

**AN EXAMPLE OF LYOPHILIZED PROTEIN-BASED MATERIALS NOT SIMULATING PATIENT-SERUM.** Steele BW, Koehler DF, Blaszkowski TP, Azar M. *Clin Chem* 21: 1812-4, Nov 75 (Eng) \*DL/76AUG659

**VARIATIONS IN THE COMPOSITION OF BLOOD AND URINE FOLLOWING THE INGESTION OF A HIGH-PROTEIN DIET.** Heeley DM, Sharnan IM, Cooper DF. *Proc Nutr Soc* 34: 69a, Sep 75 (Eng) \*DL/76AUG771

**PROTEIN AND FREE AMINO ACID METABOLISM IN THE FAILING CANINE HEART.** Peterson MB, Mead RJ, Welty JD. *Recent Adv Stud Cardiac Struct Metab* 3: 615-23, 1973 (Eng) \*DL/76AUG809

**LIPID OXIDATION IN BIOLOGICAL MEMBRANES. ELECTRON TRANSFER PROTEINS AS INITIATORS OF LIPID AUTOXIDATION.** Kaschnitz RM, Hatefi Y. *Arch Biochem Biophys* 171: 292-304, Nov 75 (Eng) \*DL/76AUG897

**IN VITRO INFLUENCE OF STEROIDAL HORMONES ON PROTEIN AND GLUCOSE METABOLISM OF ISOLATED GRANULOMATOUS TISSUE CELLS.** Hikawaji I, Nocenti MR. *Arch Int Pharmacodyn Ther* 217: 86-96, Sep 75 (Eng) \*DL/76AUG900

### PROTEIN BIOSYNTHESIS

**[DIABETES MELLITUS AND CONTROL OF PROTEIN BIOSYNTHESIS IN RAT LIVER (AUTHORS TRANSL)]** Tragl KH. *Wien Klin Wochenschr* 87: 349-61, 30 May 75 (Ger) [50] DL/76AUG376

### PROTEIN CONFORMATION

**PREDICTION OF PROTEIN CONFORMATION: CONSEQUENCES AND ASPIRATIONS.** PP. 114-25. Fasman GD, Chou PY. In: Blout ER, et al., ed. *Peptides, polypeptides and proteins*. New York, Wiley, 1974. W3RE441K 1974p. (Eng) [55] DL/76AUG161

### PROTEIN DEGRADATION

**PROTEIN DEGRADATION IN ACUTE CARDIAC LOADING: THE PROBLEM OF REUTILIZATION OF AMINO ACIDS.** Schreiber SS, Oratz M, Klein I, Rothschild MA. *Recent Adv Stud Cardiac Struct Metab* 3: 589-601, 1973 (Eng) \*DL/76AUG806

### PROTEIN, GLOBULAR

**ACCESSIBLE AREA, PACKING VOLUMES AND INTERACTION SURFACES OF GLOBULAR**

**PROTEINS.** Teller DC. *Nature* 260: 729-31, 22 Apr 76 (Eng) DL/76AUG273

### PROTEIN HORMONE

**[HETEROGENEITY OF PROTEIN HORMONES IN RADIOIMMUNOASSAY]** Rosselin G, Bataille D, Laburthe M, Duran-Garcia S. *Pathol Biol (Paris)* 23: 793-803, Dec 75 (Fre) DL/76AUG282

### PROTEIN INTAKE

**EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA.** Davidson MB, Fisher MB, Dabir-Vaziri N, Schaffer M. *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245

### PROTEIN KINASE

**CHARACTERIZATION OF PROTEIN KINASES FROM BOVINE PAROTID GLANDS. THE EFFECT OF TOLBUTAMIDE AND ITS DERIVATIVE ON THESE PARTIALLY PURIFIED ENZYMES.** Kanamori T, Hayakawa T, Nagatsu T. *Biochim Biophys Acta* 429: 147-62, 11 Mar 76 (Eng) DL/76AUG2

**RAT MYOCARDIAL PROTEIN KINASES. I. CYTOSOL.** Gibson K, Tichonicki L, Kruh J. *Biochimie* 56: 1409-16, 1974 (Eng) \*DL/76AUG632

**ADENOSINE-3:5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME.** Azhar S, Menon KM. *Eur J Biochem* 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674

### PROTEIN, MEMBRANE

**THE INFLUENCE OF LIPIDS ON THE FORMATION OF THE ADENOSINE TRIPHOSPHATASE OF SARCOPLASMIC RETICULUM AND OF OTHER MEMBRANE PROTEINS.** Green NM. *Biochem Soc Trans* 3: 604-6, 1975 (Eng) \*DL/76AUG501

### PROTEIN, PLASMA

**EFFECT OF CLOFIBRATE ON PLASMA PROTEINS INCLUDING COMPONENTS OF THE HEMOSTATIC MECHANISM.** Cederblad G, Korsan-Bengtson K. *Clin Chim Acta* 66: 9-17, 2 Jan 76 (Eng) DL/76AUG41

### PROTEIN SYNTHESIS

**TOTAL SYNTHESIS OF CRYSTALLINE GLUCAGON BY THE METHOD OF SOLID PHASE CONDENSATION OF FRAGMENTS. PROTEIN SYNTHESIS GROUP, SHANGHAI INSTITUTE OF BIOCHEMISTRY, ACADEMIA SINICA.** Anonymous. *Sci Sin* 18: 745-68, Nov-Dec 75 (Eng) DL/76AUG338

**STUDIES ON GLUCONEOGENESIS AND STIMULATION OF GLYCOGEN AND PROTEIN SYNTHESIS IN ISOLATED HEPATOCYTES IN ALLOXAN DIABETIC, NORMAL FED AND FASTED ANIMALS.** Wagle SR, Ingebretsen WR, Sampson L. *Acta Diabetol Lat* 12: 185-98, May-Aug 75 (Eng) DL/76AUG400

**THE RATES OF TISSUE PROTEIN SYNTHESIS IN VIVO IN HYPOPHYSCECTOMIZED AND PAIR-FED CONTROL RATS.** Millward DJ, Nnanyelugo DO, Chatterjee AK. *Proc Nutr Soc* 34: 95a-96a, Sep 75 (Eng) \*DL/76AUG776

**RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISOLATED AFTER AORTIC CONSTRICTION,**

## PSEUDOCYST, PANCREATIC

**STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT.** Wollenberger A, Kleitke B. *Recent Adv Stud Cardiac Struct Metab* 3: 535-50, 1973 (Eng) \*DL/76AUG804

### PROTEINASE

**PROPERTIES AND SPECIFICITY OF A SECOND METAL CHELATOR-SENSITIVE PROTEINASE IN THE KERATINOLYTIC LARVAE OF THE WEBBING CLOTHES MOTH.** Ward CW. *Aust J Biol Sci* 28: 439-45, Dec 75 (Eng) DL/76AUG465

### PROTEOGLYCAN

**METABOLISM OF SULFATED GLYCOSAMINOGLYCANS IN CULTIVATED BOVINE ARTERIAL CELLS. II. QUANTITATIVE STUDIES ON THE UPTAKE OF 35SO4-LABELED PROTEOGLYCANS.** Kresse H, Tekoff W, von Figura K, Buddecke E. *Hoppe Seyler's Z Physiol Chem* 356: 943-52, Jun 75 (Eng) \*DL/76AUG696

### PROTON

**PROTON MAGNETIC RELAXATION STUDIES OF THE INTERACTION OF D-XYLOSE AND XYLITOL WITH D-XYLOSE ISOMERASE. CHARACTERIZATION OF METAL-ENZYME-SUBSTRATE INTERACTIONS.** Young JM, Schray KJ, Mildvan AS. *J Biol Chem* 250: 9021-7, 10 Dec 75 (Eng) \*DL/76AUG531

### PROTON GRADIENT

**THE MEASUREMENT OF TRANSMEMBRANE ELECTROCHEMICAL PROTON GRADIENTS.** Rottenberg H. *J Bioenerg* 7: 61-74, May 75 (Eng) \*DL/76AUG713

### PROTON TRANSPORT

**ELECTROGENIC PROTON TRANSPORT IN THE PLASMA MEMBRANE OF NEUROSPORA.** Slayman CL, Gradmann D. *Bioophys J* 15: 968-71, Sep 75 (Eng) \*DL/76AUG639

### PROTONMOTIVE FORCE

**ATP SYNTHESIS DRIVEN BY PROTONMOTIVE FORCE IMPOSED ACROSS ESCHERICHIA COLI CELL MEMBRANES.** Grinius L, Slusnyte R, Griniuvienė B. *FEBS Lett* 57: 290-3, 1 Oct 75 (Eng) \*DL/76AUG681

### PROXIMAL CONVOLUTION

**DIRECT AND UTILIZATION OF METABOLIC ENERGY FOR TRANSPORT PROCESSES WITHIN PROXIMAL CONVOLUTION.** Ullrich KJ. *Curr Probl Clin Biochem* 4: 13-20, 1975 (Eng) \*DL/76AUG485

**REABSORPTION OF D-GLUCOSE FROM VARIOUS REGIONS OF THE RAT PROXIMAL CONVOLUTED TUBULE: EVIDENCE THAT THE PROXIMAL CONVOLUTION IS NOT HOMOGENEOUS.** Bode F, Chan YL, Goldner AM, Papavasiliou F, Wagner M, Baumann K. *Curr Probl Clin Biochem* 4: 39-43, 1975 (Eng) \*DL/76AUG490

## PSEUDOCYST, PANCREATIC

**[INSULIN SECRETION IN PATIENTS FOLLOWING JURASZ SURGERY FOR PANCREATIC PSEUDOCYST]** Svoboda Z, Prokes J, Dobesova L. *Vnitr Lek* 22: 336-40, Apr 76 (Cze) DL/76AUG362

## Diabetes Literature—Keyword Index

### PSEUDOCYST, PANCREATIC

#### PSEUDOMONAS DOUDOROFFII

CATABOLISM OF D-FRUCTOSE AND D-RIBOSE BY PSEUDOMONAS DOUDOROFFII. II. PROPERTIES OF 1-PHOSPHOFRUCTOKINASE AND 6-PHOSPHOFRUCTOKINASE. Baumann L, Baumann P *Arch Microbiol* 105: 241-8, 7 Nov 75 (Eng) \*DL/76AUG903

#### PSYCHOSIS

LETTER: RECOVERABLE ORGANIC PSYCHOSIS AFTER HYPOTHYROID COMA. Cohen SI *Br Med J* 1: 831, 3 Apr 76 (Eng) DL/76AUG18

[DIAGNOSTIC SIGNIFICANCE OF HYPERGLYCEMIC CURVES IN ATHEROSCLEROTIC PSYCHOSIS] Aminov KhA *Lab Delo* 443-4, 1975 (Rus) DL/76AUG219

#### PULMONARY TUBERCULOSIS

[CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS] Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanescu I, Bena A, Stefan O *Rev Ig [Pneumoftiziol]* 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843

#### PURINE

MEMBRANE TRANSPORT OF PURINE AND PYRIMIDINE BASES AND NUCLEOSIDES IN ANIMAL CELLS. Berlin RD, Oliver JM *Int Rev Cytol* 42: 287-336, 1975 (Eng) [122] \*DL/76AUG520

#### PYRIDINOL CARBAMATE

[VALUE OF PYRIDINOL CARBAMATE IN OCULAR VASCULAR PATHOLOGY (ANGIOXINE)] Boudet, Millet, Arnaud *Bull Soc Ophthalmol Fr* 74: 977-80, Sep-Oct 74 (Fre) DL/76AUG35

#### PYRIMIDINE

MEMBRANE TRANSPORT OF PURINE AND PYRIMIDINE BASES AND NUCLEOSIDES IN ANIMAL CELLS. Berlin RD, Oliver JM *Int Rev Cytol* 42: 287-336, 1975 (Eng) [122] \*DL/76AUG520

#### PYRROPHOSPHATE

ISOLATION AND CHARACTERIZATION OF A PYRROPHOSPHATE-DEPENDENT FROM PROPIONIBACTERIUM SHERMANII. Obrien WE, Bowien S, Wood HG *J Biol Chem* 250: 8690-5, 25 Nov 75 (Eng) \*DL/76AUG716

#### PYRUVATE

BREVIPIPERIDIUM LIQUEFACIENS ADENYLATE CYCLASE AND ITS IN VIVO STIMULATION BY PYRUVATE. Lynch TJ, Tallant EA, Cheung WY *J Bacteriol* 124: 1106-12, Dec 75 (Eng) \*DL/76AUG524

#### PYRUVATE DEHYDROGENASE

THE PYRUVATE DEHYDROGENASE MULTIZYME COMPLEX. Hucho F *Angew Chem [Engl]* 14: 591-601, Sep 75 (Eng) [135] \*DL/76AUG887

#### PYRUVATE TRANSAMINATION

HISTIDINE:PYRUVATE TRANSAMINATION AND PHENYLALANINE:PYRUVATE TRANSAMINATION MAY BE CATALYZED

BY THE SAME ENZYME. Shih JC, Chiu RH, Chan YL *Biochem Biophys Res Commun* 68: 1348-55, 23 Feb 76 (Eng) DL/76AUG468

#### QUAIL, JAPANESE

CHANGES IN METABOLITE CONCENTRATION IN THE PLASMA, LIVER AND MUSCLE OF FEED RESTRICTED JAPANESE QUAIL EXPOSED TO COLD. Thomas VG, George JC *Arch Int Physiol Biochim* 83: 505-18, Aug 75 (Eng) \*DL/76AUG616

HEMATOLOGICAL AND BIOCHEMICAL EFFECTS OF CHRONIC CO EXPOSURE ON THE JAPANESE QUAIL. Jaeger JJ, McGrath JJ *Respir Physiol* 24: 365-72, Sep 75 (Eng) \*DL/76AUG839

#### QUATERNARY STRUCTURE

HEART HEXOKINASE: QUATERNARY STRUCTURE CHANGES ACCOMPANYING THE BINDING OF REGULATORY MOLECULES. Easterby JS *Eur J Biochem* 58: 231-5, 1 Oct 75 (Eng) \*DL/76AUG676

#### RABBIT, ALLOXAN DIABETIC

HYPOGLYCAEMIC ACTION OF BENGALENSIDE, A GLUCOSIDE ISOLATED FROM FICUS BENGALENSIS LINN, IN NORMAL AND ALLOXAN DIABETIC RABBITS. Augusti KT *Indian J Physiol Pharmacol* 19: 218-20, Oct-Dec 75 (Eng) DL/76AUG121

ULTRASTRUCTURE OF THE CAPILLARIES OF THE REPRODUCTIVE SYSTEM IN FEMALE RABBITS WITH ALLOXAN DIABETES. Liebhart M, Szamborski J *Pol Med Sci Hist Bull* 15: 133-7, Mar-Apr 75 (Eng) DL/76AUG304

#### RADIATION

[STUDIES ON THE EFFECT OF RADIATION ON ELECTROLYTE CHANGES AND METABOLISM OF THE MYOCARDIUM. V. CHANGES IN ENZYME ACTIVITIES AND GLYCOLYSIS METABOLITES DUE TO RADIATION] Prignitz R, Hoffmeister N, Hoffmeister G *Strahlentherapie* 149: 621-7, Jun 75 (Ger) \*DL/76AUG854

RADIATION EFFECTS ON ALKALINE PHOSPHATASE AND GLUCOSE-6-PHOSPHATASE IN ANATOMICALLY DIFFERENT REGIONS OF MOUSE INTESTINE. Kaur A, Dubey DP, Gupta GS *Strahlentherapie* 150: 427-32, Oct 75 (Eng) \*DL/76AUG855

INITIAL EVENTS IN RADIATION-INDUCED ATHEROMATOSIS I. ACTIVATION OF LYSOSOMAL ENZYMES. Konings AW, Hardonk MJ, Wieringa RA, Lamberts HB *Strahlentherapie* 150: 444-8, Oct 75 (Eng) \*DL/76AUG856

#### RADIOACTIVE FATTY ACID

THIN-LAYER CHROMATOGRAPHIC SEPARATION OF FREE FATTY ACIDS. ANALYSIS AND PURIFICATION OF RADIOACTIVELY LABELLED FATTY ACIDS. Rodrigues de Miranda JF, Eikelboom TD *J Chromatogr* 114: 274-9, 12 Nov 75 (Eng) \*DL/76AUG717

#### RADIOIMMUNOASSAY

EFFECTS OF INSULIN-FREE PLASMA ON THE CHARCOAL-SEPARATION METHOD FOR RADIOIMMUNOASSAY OF INSULIN. Frayn KN *Horm Metab Res* 8: 102-5, Mar 76 (Eng) DL/76AUG110

[HETEROGENEITY OF PROTEIN HORMONES IN RADIOIMMUNOASSAY] Rosselin G, Bataille D, Laburthe M, Duran-Garcia S *Pathol*

*Biol (Paris)* 23: 793-803, Dec 75 (Fre) DL/76AUG282

[FUNCTIONAL DIENCEPHALO-PITUITARY DIAGNOSIS BY MEANS OF RADIOIMMUNOASSAY] Iacono G *Quad Sclavo Diagn* 11: 218-38, Jun 75 (Ita) DL/76AUG327

RADIOIMMUNOASSAY. Ratcliffe FG *Recent Adv Clin Nucl Med* 1: 151-87, 1975 (Eng) [119] DL/76AUG332

RADIOIMMUNOASSAY OF SOMATOMEDIN B. Yalow RS, Hall K, Luft R *Adv Metab Disord* 8: 73-83, 1975 (Eng) \*DL/76AUG603

RADIOIMMUNOASSAY AND SATURATION ANALYSIS. STANDARDIZATION AND STANDARDS. Bingham DR, Cotes PM *Br Med Bull* 30: 12-7, Jan 74 (Eng) \*DL/76AUG642

RADIOIMMUNOASSAY AND SATURATION ANALYSIS. BASIC PRINCIPLES AND THEORY. Ekins RP *Br Med Bull* 30: 3-11, Jan 74 (Eng) \*DL/76AUG643

#### RADIOIMMUNOLOGIC DETERMINATION

[CLINICAL AND LABORATORY PROBLEMS IN RADIOIMMUNOLOGIC DETERMINATION] Castelli A *Quad Sclavo Diagn* 11: 179-82, Jun 75 (Ita) DL/76AUG326

#### RADIOIMMUNOLOGICAL DETERMINATION

[RADIOIMMUNOLOGICAL DETERMINATIONS OF INSULIN IN SMALL SERUM SAMPLES USING WICK-CHROMATOGRAPHY] Ulrich E, Schneyer U, Hadecke J *Endokrinologie* 63: 364-7, 1974 (Ger) DL/76AUG79

#### RADIOMETRY

[STUDY OF THE CONTENT OF TOTAL POTASSIUM IN PATIENTS WITH DIABETES MELLITUS BY THE METHOD OF WHOLE BODY RADIOMETRY] Ershova LM, Gabuniia RI, Kaplan MA *Ter Arkh* 47: 117-9, 1975 (Rus) DL/76AUG348

#### RADIORECEPTOR ASSAY

RADIORECEPTOR ASSAY FOR INSULIN. Suzuki K, Ohsawa N, Kosaka K *J Clin Endocrinol Metab* 42: 399-402, Feb 76 (Eng) DL/76AUG144

HETEROGENEITY OF HUMAN GROWTH HORMONE AND PROLACTIN SECRETED IN VITRO: IMMUNOASSAY AND RADIORECEPTOR ASSAY CORRELATIONS. Guyda JH *J Clin Endocrinol Metab* 41: 953-67, Nov 75 (Eng) \*DL/76AUG719

#### RAT, ALLOXAN DIABETIC

EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS. Laszlo FA, Durszt F, Varga P, Czako I *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77

#### RAT, BD IX

TRANSPLANTABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS. Stekar J *Z Krebsforsch* 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390

#### RAT, FATTY ACID-DEFICIENT

LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF S-NUCLEOTIDASE, AT-



## Diabetes Literature—Keyword Index

## RESECTION

PASE AND ADENYLATE CYCLASE. Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

### RAT, GERM-FREE

INFLUENCE OF CHOLESTEROL FEEDING ON LIVER MICROSOMAL METABOLISM OF STEROIDS AND BILE ACIDS IN CONVENTIONAL AND GERM-FREE RATS. Gustafsson BE, Einarsson K, Gustafsson J J *Biol Chem* 250: 8496-502, 10 Nov 75 (Eng) \*DL/76AUG529

### RAT, HYPOPHYSECTOMIZED

EFFECT OF FSH AND LH ON THE GLYCOGEN CONCENTRATION IN TESTIS OF INTACT AND HYPOPHYSECTOMIZED RATS. Leiderman B, Mancini RE *Acta Physiol Lat Am* 24: 305-11, 1974 (Eng) \*DL/76AUG875

### RECEPTOR

[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE] Frowein J, Petersen KG *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

BINDING AND DEGRADATION OF INSULIN BY HUMAN PERIPHERAL GRANULOCYTES. DEMONSTRATION OF SPECIFIC RECEPTORS WITH HIGH AFFINITY. Fussganger RD, Kahn CR, Roth J, De Meyts P J *Biol Chem* 251: 2761-9, 10 May 76 (Eng) DL/76AUG134

### RECEPTOR, FOLLICLE STIMULATING HORMONE

PROPERTIES OF FOLLICLE-STIMULATING-HORMONE RECEPTOR IN CELL MEMBRANES OF BOVINE TESTIS. Cheng KW *Biochem J* 149: 123-32, Jul 75 (Eng) \*DL/76AUG912

### RECEPTOR, HORMONE

[ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION] Cresteil T, Counis R, Raulin J *Biochimie* 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4

COOPERATIVE PROPERTIES OF HORMONE RECEPTORS IN CELL MEMBRANES. De Meyts P J *Supramol Struct* 4: 241-58, 1976 (Eng) DL/76AUG223

EDITORIAL: HORMONE RECEPTOR RESEARCH: PROBLEMS AND PROMISES. Fyhrquist F *Scand J Clin Lab Invest* 35: 385-90, Sep 75 (Eng) [27] \*DL/76AUG845

### RECTUM

[RENAL INSUFFICIENCY AND DIABETES CURED BY REMOVAL OF A VILLOUS TUMOR OF THE RECTUM] Eugene C, Fingerhut A, Quevaulliers J *Nouv Presse Med* 5: 781-3, 20 Mar 76 (Fre) DL/76AUG294

### RED CELL

THE EFFECT OF O-SALICYLATE UPON PENTOSE PHOSPHATE PATHWAY ACTIVITY IN NORMAL AND G6PD-DEFICIENT RED CELLS. Worathumrong N, Grimes AJ *Br J Haematol* 30: 225-31, Jun 75 (Eng) \*DL/76AUG471

### RED CELL MEMBRANE

TRANSPORT OF PHOSPHOENOLPYRUVATE THROUGH RED CELL MEMBRANE IN ACIDIFIED ISOTONIC SUCROSE MEDIUM. Tomoda A, Hamasaki N, Minakami S *Biochem*

*Biophys Res Commun* 66: 1127-30, 27 Oct 75 (Eng) \*DL/76AUG914

### REDOX POTENTIAL

THE EFFECT OF DIABETES, INSULIN, AND THE REDOX POTENTIAL ON LEUCINE METABOLISM BY ISOLATED RAT HEMIADIPHRAGM. Buse MG, Herlong HF, Weigand DA *Endocrinology* 98: 1166-75, May 76 (Eng) DL/76AUG74

### REGULATORY

CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES. Roos BA, Deftos LJ, Rorabaugh P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76

### RENAL BRUSH BORDER MEMBRANE

ENERGETICS OF THE NA<sup>+</sup>-DEPENDENT TRANSPORT OF D-GLUCOSE IN RENAL BRUSH BORDER MEMBRANE VESICLES. Beck JC, Sacktor B J *Biol Chem* 250: 8674-80, 25 Nov 75 (Eng) \*DL/76AUG715

### RENAL DISEASE

EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN. Ueda K, Omae T, Hirota Y, Takeshita M, Hiroyoshi Y J *Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

NUTRITIONAL ASPECTS OF CARDIOVASCULAR RENAL DISEASES. Kark RM, Oyama JH *Prog Food Nutr Sci* 1: 611-44, 1975 (Eng) [150] DL/76AUG331

GLYCOPROTEIN METABOLISM IN HUMAN RENAL DISEASE: SERUM GLYCOPROTEINS AND GLYCOPROTEIN: GLYCOSYL TRANSFERASE LEVELS IN CHRONIC RENAL FAILURE. Kirschbaum BB J *Lab Clin Med* 86: 764-71, Nov 75 (Eng) \*DL/76AUG720

### RENAL FAILURE

GUIDELINES FOR THE DOSAGE AND APPLICATION OF THE INTRAVENOUS PROVISION OF NUTRIENT SUBSTANCES IN PATIENTS WITH RENAL FAILURE. PP. 160-6. Kult J, Heidland A *Ino Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [10] DL/76AUG156*

### RENAL FAILURE, CHRONIC

GLYCOPROTEIN METABOLISM IN HUMAN RENAL DISEASE: SERUM GLYCOPROTEINS AND GLYCOPROTEIN: GLYCOSYL TRANSFERASE LEVELS IN CHRONIC RENAL FAILURE. Kirschbaum BB J *Lab Clin Med* 86: 764-71, Nov 75 (Eng) \*DL/76AUG720

### RENAL GLUCONEOGENESIS

STIMULATION OF RENAL GLUCONEOGENESIS BY L-ALANINE AND AIB. Friedrichs D, Schoner W *Curr Probl Clin Biochem* 4: 79-84, 1975 (Eng) \*DL/76AUG493

### RENAL GLUCOSE METABOLISM

INTERACTION OF ETHACRYNIC ACID WITH CONTROL SITES OF RENAL GLUCOSE METABOLISM. Fulgraff G, Dingler-Nunemann H *Curr Probl Clin Biochem* 4: 131-4, 1975 (Eng) \*DL/76AUG486

### RENAL GLYCOSURIA

[RENAL GLYCOSURIA (POSSIBILITY OF RELATION TO DIABETES MELLITUS)] Rames I, Vankova B *Vnitř Lek* 22: 268-73, Mar 76 (Cze) DL/76AUG361

[INSULINEMIA IN RENAL GLYCOSURIA] Polackova H, Kmoch J, Prokes J, Svoboda Z, Vsetecka A *Vnitř Lek* 22: 341-4, Apr 76 (Cze) DL/76AUG363

### RENAL GROWTH

THE ROLE OF SERUM NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY (NSILA) IN COMPENSATORY RENAL GROWTH. Poffenbarger PL, Prince MJ *Growth* 40: 83-97, Mar 76 (Eng) DL/76AUG105

### RENAL INSUFFICIENCY

[RENAL INSUFFICIENCY AND DIABETES CURED BY REMOVAL OF A VILLOUS TUMOR OF THE RECTUM] Eugene C, Fingerhut A, Quevaulliers J *Nouv Presse Med* 5: 781-3, 20 Mar 1976 (Fre) DL/76AUG294

### RENAL MEDULLA

GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA. Mulvehill JB, Hui YS, Barnes LD, Palumbo PJ, Dousa TP J *Clin Endocrinol Metab* 42: 380-4, Feb 76 (Eng) DL/76AUG143

### RENAL TUBULAR

EFFECT OF PARATHYROID HORMONE ON RENAL TUBULAR FLUID AND GLUCOSE REABSORPTION. Baumann K, Chan YL, Bode F, Papavassiliou F, Wagner M *Curr Probl Clin Biochem* 4: 223-8, 1975 (Eng) \*DL/76AUG488

### RENIN, PLASMA

EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY. Syvalahti E, Lammintausta R, Pekkarinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418

### REPRODUCTIVE ORGAN

ACCESSORY REPRODUCTIVE ORGANS IN MAMMALS: CONTROL OF CELL AND TISSUE TRANSPORT BY SEX HORMONES. Spaziani E *Pharmacol Rev* 27: 207-86, Jun 75 (Eng) [566] \*DL/76AUG782

### REPRODUCTIVE SYSTEM

ULTRASTRUCTURE OF THE CAPILLARIES OF THE REPRODUCTIVE SYSTEM IN FEMALE RABBITS WITH ALLOXAN DIABETES. Liebhart M, Szamborski J *Pol Med Sci Hist Bull* 15: 133-7, Mar-Apr 75 (Eng) DL/76AUG304

### RESECTION

[RECURRENT ULCER FOLLOWING VAGOTOMY: COMPLETION OF VAGOTOMY OR RESECTION (AUTHORS TRANSL)] Bauer H, Holle F *Munch Med Wochenschr* 118: 453-6, 9 Apr 76 (Ger) DL/76AUG260

INTESTINAL ABSORPTION FOLLOWING SMALL-BOWEL RESECTION. Perry M *Ann R Coll Surg Engl* 57: 139-47, Sep 75 (Eng) \*DL/76AUG892

## Diabetes Literature—Keyword Index

### RESISTANCE

#### RESISTANCE

DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS. Roldan A, Stevens J, Hollander VP *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321

CHLOROQUINE RESISTANCE IN MALARIA: VARIATIONS OF SUBSTRATE-STIMULATED CHLOROQUINE ACCUMULATION. Fitch CD, Chevli R, Gonzalez Y *J Pharmacol Exp Ther* 195: 389-96, Dec 75 (Eng) \*DL/76AUG551

#### RESPIRATION

EFFECTIVENESS OF VARIOUS UNSATURATED FATTY ACIDS IN SUPPORTING GROWTH AND RESPIRATION IN SACCHAROMYCES CEREVISIAE. Walenga RW, Lands WE *J Biol Chem* 250: 9121-9, 10 Dec 75 (Eng) \*DL/76AUG532

REQUIREMENTS FOR UNSATURATED FATTY ACIDS FOR THE INDUCTION ON RESPIRATION IN SACCHAROMYCES CEREVISIAE. Walenga RW, Lands WE *J Biol Chem* 250: 9130-6, 10 Dec 75 (Eng) \*DL/76AUG533

RESPIRATION RATES AND ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: STATE 4-3-4 TRANSITION EXPERIMENTS. Archbold GP, Farrington CL, McKay AM, Malpress FH *Biochem Soc Trans* 3: 504-7, 1975 (Eng) \*DL/76AUG685

#### REST

A DESIGN IMPROVEMENT IN CONTINUOUS BLOOD SAMPLING AND ANALYSIS FOR GLUCOSE IN REST AND EXERCISE. Tzankoff SP, Leatherman NE, Robinson S *J Appl Physiol* 39: 873-4, Nov 75 (Eng) \*DL/76AUG710

#### RETICULOCYTE

FURTHER CHARACTERIZATION OF THE ASSOCIATION OF GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE WITH RETICULOCYTE MEMBRANES. Letko G, Bohnsack R *Acta Biol Med Ger* 34: 1145-51, 1975 (Eng) \*DL/76AUG596

#### RETICULOENDOTHELIAL SYSTEM

[RETICULOENDOTHELIAL SYSTEM, LIPID METABOLISM AND ATHEROSCLEROSIS] Vinogradov AG, Denisenko AD *Patol Fiziol Eksp Ter* 3-12, Mar-Apr 75 (Rus) [138] \*DL/76AUG756

#### RETICULUM, SARCOPLASMIC

THE INFLUENCE OF LIPIDS ON THE CONFORMATION OF THE ADENOSINE TRIPHOSPHATASE OF SARCOPLASMIC RETICULUM AND OF OTHER MEMBRANE PROTEINS. Green NM *Biochem Soc Trans* 3: 604-6, 1975 (Eng) \*DL/76AUG501

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA<sup>2+</sup> TRANSPORT, AND CA<sup>2+</sup>-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

45CA2+ ACCUMULATION BY MITOCHONDRIA AND SARCOPLASMIC RETICULUM IN CHRONIC POTASSIUM DEPLETION CARDIOMYOPATHY. Kim ND, Harrison CE *Recent Adv Stud Cardiac Struct Metab* 4: 551-62, 1974 (Eng) \*DL/76AUG824

#### RETINAL ANGIOPATHY, DIABETIC

LETTER: DIAGONAL EAR-LOBE CREASE AND DIABETIC RETINAL ANGIOPATHY. Andresen AR, Christiansen JS, Jensen JK *N Engl J Med* 294: 1182-3, 20 May 76 (Eng) DL/76AUG262

#### RETINAL SCATTER

IMMEDIATE FUNDUS COMPLICATIONS AFTER RETINAL SCATTER PHOTOCOAGULATION. I. CLINICAL PICTURE AND PATHOGENESIS. Huamonte FU, Peyman GA, Goldberg MF, Lockett A *Ophthalmic Surg* 7: 88-99, Spring 76 (Eng) DL/76AUG280

#### RETINOPATHY, DIABETIC

THE ELECTRORETINOGRAM AFTER PERIPHERAL RETINAL ABLATION IN DIABETIC RETINOPATHY. Ogden TE, Callahan F, Riekhof FT *Am J Ophthalmol* 81: 397-402, Apr 76 (Eng) DL/76AUG434

#### REVIEW

METABOLIC EFFECTS OF DIETARY CARBOHYDRATES—A REVIEW. PP. 20-45. Reiser S In: O. Jeanes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [106] DL/76AUG173

[SOMATOSTATIN -- A REVIEW (AUTHORS TRANSL.)] Lucke C, Mitzkat HJ, von zur Mühlen A *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217

SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN—A REVIEW. Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237

#### RHEUMATOID ARTHRITIS

HISTORY OF THE TREATMENT OF RHEUMATOID ARTHRITIS. Hart FD *Br Med J* 1: 763-5, 27 Mar 76 (Eng) DL/76AUG17

#### RIBONUCLEIC ACID

[THE ACTION OF INSULIN ON RIBONUCLEIC ACID METABOLISM (AUTHORS TRANSL.)] Tragl KH *Wien Klin Wochenschr* 87: 361-3, 30 May 75 (Ger) DL/76AUG377

PARAMETERS AFFECTING THE RATE OF SYNTHESIS OF RIBOSOMES AND RNA POLYMERASE IN BACTERIA. Bremer H *J Theor Biol* 53: 115-24, Sep 75 (Eng) \*DL/76AUG563

RNA POLYMERASE AND ADENYL CYCLASE IN CARDIAC HYPERTROPHY AND CARDIOMYOPATHY. Nair KG, Umali T, Potts J *Recent Adv Stud Cardiac Struct Metab* 3: 479-87, 1973 (Eng) \*DL/76AUG801

RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISOLATED AFTER AORTIC CONSTRICTION, STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT. Wollenberger A, Kleitke B *Recent Adv Stud Cardiac Struct Metab* 3: 535-50, 1973 (Eng) \*DL/76AUG804

#### RIBOSE

ADAPTIVE ALTERATIONS IN LACTOBACILLUS CASEI. GLUCONEOGENESIS IN CELLS GROWN ON RIBOSE. Pradhan PG, Nadkarni GB *Arch Biochem Biophys* 171: 65-9, Nov 75 (Eng) \*DL/76AUG898

#### D-RIBOSE CATABOLISM

CATABOLISM OF D-FRUCTOSE AND D-RIBOSE BY PSEUDOMONAS DOUDOROFFII. II. PROPERTIES OF 1-PHOSPHOFRUCTOKINASE AND 6-PHOSPHOFRUCTOKINASE. Baumann L, Baumann P *Arch Microbiol* 105: 241-8, 7 Nov 75 (Eng) \*DL/76AUG903

#### RIBOSOME

PARAMETERS AFFECTING THE RATE OF SYNTHESIS OF RIBOSOMES AND RNA POLYMERASE IN BACTERIA. Bremer H *J Theor Biol* 53: 115-24, Sep 75 (Eng) \*DL/76AUG563

#### RIFAMPIN

TUBULOINTERSTITIAL AND GLOMERULAR NEPHRITIS ASSOCIATED WITH RIFAMPIN. REPORT OF A CASE. Gabow PA, Lacher JW, Neff TA *JAMA* 235: 2517-8, 7 Jun 76 (Eng) DL/76AUG209

#### RISK

FACTORS AFFECTING RISKS OF CONGENITAL MALFORMATIONS. II. EFFECT OF MATERNAL DIABETES ON CONGENITAL MALFORMATIONS. Chung CS, Myrianthopoulos NC *Birth Defects* 11: 23-38, 1975 (Eng) [36] DL/76AUG8

[EARLY DETECTION OF DIABETES MELLITUS IN ADULTS AND FACTORS OF INCREASED RISK OF ITS DEVELOPMENT] Antonov IuS, Khizhniak MI *Ter Arkh* 48: 114-9, 1976 (Rus) DL/76AUG349

#### RISK FACTOR

THE CONTROL OF CARDIOVASCULAR RISK FACTORS IN THE ELDERLY. Abramson JH, Hopp C *Prev Med* 5: 32-47, Mar 76 (Eng) [96] DL/76AUG315

CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciuc A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioui L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS. Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

#### RISK FACTOR, CORONARY

TREADMILL EXERCISE TESTING OF MASS SCREENING FOR CORONARY RISK FACTORS. Allen WH, Aronow WS, De Cristofaro D *Cathet Cardiovasc Diagn* 2: 39-48, 1976 (Eng) DL/76AUG32

#### RNA

##### SEE RIBONUCLEIC ACID

##### ROLITETRACYCLINE

THE INFLUENCE OF ROLITETRACYCLINE UPON SOME METABOLIC PARAMETERS OF RABBIT HEART MUSCLE. Belova V, Barnova E, Barna K *Biochem Pharmacol* 24: 1875-7, 15 Oct 75 (Eng) \*DL/76AUG918

## Diabetes Literature—Keyword Index

## SERUM

### RUNNING

THE EFFECT OF LONG-DISTANCE RUNNING ON SOME BIOCHEMICAL VARIABLES. Riley WJ, Pyke FS, Roberts AD, England JF *Clin Chim Acta* 65: 83-9, 15 Nov 75 (Eng) \*DL/76AUG481

ACUTE BLOOD BIOCHEMICAL ALTERATIONS IN RESPONSE TO MARATHON RUNNING. Maron MB, Horvath SM, Wilkerson JE *Eur J Appl Physiol* 34: 173-81, 15 Aug 75 (Eng) \*DL/76AUG672

[EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERTION. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE] Bunker U, Steinhart M, Riehm G, Bunker B, Lyhs L *Arch Exp Veterinaermed* 29: 631-40, 1975 (Ger) \*DL/76AUG906

### SACCHAROMYCES CEREVISIAE

EFFECTS OF GLUCOSE REPRESSION OF THE TRANSMISSION AND RECOMBINATION OF MITOCHONDRIAL GENES IN YEAST (SACCHAROMYCES CEREVISIAE). Birky CW Jr *Genetics* 80: 695-709, Aug 75 (Eng) \*DL/76AUG509

EFFECTIVENESS OF VARIOUS UNSATURATED FATTY ACIDS IN SUPPORTING GROWTH AND RESPIRATION IN SACCHAROMYCES CEREVISIAE. Walenga RW, Lands WE Jr *J Biol Chem* 250: 9121-9, 10 Dec 75 (Eng) \*DL/76AUG532

REQUIREMENTS FOR UNSATURATED FATTY ACIDS FOR THE INDUCTION ON RESPIRATION IN SACCHAROMYCES CEREVISIAE. Walenga RW, Lands WE Jr *J Biol Chem* 250: 9130-6, 10 Dec 75 (Eng) \*DL/76AUG533

THE RESPONSE OF A BIOELECTROCHEMICAL CELL WITH SACCHAROMYCES CEREVISIAE METABOLIZING GLUCOSE UNDER VARIOUS FERMENTATION CONDITIONS. Videla HA, Arvia AJ *Biotechnol Bioeng* 17: 1529-43, Oct 75 (Eng) \*DL/76AUG641

### SACCHAROMYCES FRAGILIS

TRANSPORT-ASSOCIATED PHOSPHORYLATION OF 2-DEOXY-D-GLUCOSE IN SACCHAROMYCES FRAGILIS. Jaspers HT, van Steveninck J *Biochim Biophys Acta* 406: 370-85, 17 Oct 75 (Eng) \*DL/76AUG629

### SALICYLATE

LETTER: AGE-DEPENDENT SENSITIVITY TO SALICYLATE. Stubbs WA, Alberti KG, Woods HF, Teddy PJ *Lancet* 2: 1216, 13 Dec 75 (Eng) \*DL/76AUG571

### O-SALICYLATE

THE EFFECT OF O-SALICYLATE UPON PENTOSE PHOSPHATE PATHWAY ACTIVITY IN NORMAL AND G6PD-DEFICIENT RED CELLS. Worathumrong N, Grimes AJ Jr *Haematol* 30: 225-31, Jun 75 (Eng) \*DL/76AUG471

### SALINITY TOLERANCE

SALINITY TOLERANCE AND EXTRACELLULAR OSMOREGULATION IN TWO SPECIES OF EURYHALINE TELEOSTS, CULAE INCONSTANS AND FUNDULUS DIAPHANUS. Ahokas RA, Duert FG *Comp Biochem Physiol* [A] 52: 445-8, 1 Nov 75 (Eng) \*DL/76AUG665

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### MONOPHOSPHATE-DEFICIENT

ESCHERICHIA COLI. Ezzell JW, Dobrogosz WJ *J Bacteriol* 124: 815-24, Nov 75 (Eng) \*DL/76AUG711

### SARCOIDOSIS

A POSITIVE MONOSPOT TEST IN A DIABETIC WITH SARCOIDOSIS. Lalor BC, Feely J, Drury MI *Ir J Med Sci* 145: 58-9, Feb 76 (Eng) DL/76AUG126

### SARCOPLASMIC RETICULUM

THE INFLUENCE OF LIPIDS ON THE CONFORMATION OF THE ADENOSINE TRIPHOSPHATASE OF SARCOPLASMIC RETICULUM AND OF OTHER MEMBRANE PROTEINS. Green NM *Biochem Soc Trans* 3: 604-6, 1975 (Eng) \*DL/76AUG501

### SATIETY

ELEVATED BLOOD GLUCOSE LEVELS AND SATIETY IN THE RAT. Wilson WH, Heller HC *Physiol Behav* 15: 137-43, Aug 75 (Eng) \*DL/76AUG784

### SATURATION ANALYSIS

RADIOIMMUNOASSAY AND SATURATION ANALYSIS. STANDARDIZATION AND STANDARDS. Bangham DR, Cotes PM *Br Med Bull* 30: 12-7, Jan 74 (Eng) \*DL/76AUG642

RADIOIMMUNOASSAY AND SATURATION ANALYSIS. BASIC PRINCIPLES AND THEORY. Ekins RP *Br Med Bull* 30: 3-11, Jan 74 (Eng) \*DL/76AUG643

### SCAR

CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS. Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357

### SCINTILLATIO ALBESCENS

[SCINTILLATIO ALBESCENS, DIABETES AND ATHEROMATOSIS] Bryk E *Klin Oczna* 46: 427-30, 1976 (Pol) DL/76AUG215

### SCREENING

THE USE OF SCREENING AND DIAGNOSTIC PROCEDURES: THE ORAL GLUCOSE TOLERANCE TEST. Prout TE *Med State Med J* 25: 62-5, May 76 (Eng) DL/76AUG225

[SCREENING FOR HYPERLIPIDEMIA IN YOUNG ADULTS] Fromantin M, Freyria J, Drieu M, Bon R *Nouv Presse Med* 5: 851-2, 27 Mar 76 (Fre) DL/76AUG295

### SECRETIN

TRIGLYCERIDE METABOLISM IN ACUTE STARVATION: THE ROLE OF SECRETIN AND GLUCAGON. Stout RW, Henry RW, Buchanan KD *Eur J Clin Invest* 6: 179-85, 31 Mar 76 (Eng) DL/76AUG87

SECRETIN, CHOLECYSTOKININ AND NEWER GASTROINTESTINAL HORMONES (SECOND OF TWO PARTS). Rayford PL, Miller TA, Thompson JC *N Engl J Med* 294: 1157-63, 20 May 76 (Eng) [113] DL/76AUG261

### SECRETION

EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE. Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23

### SECRETION RATE

GLUCOCORTICOIDS AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT. Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

### SEIZURE

SEIZURE DISORDERS AS THE SOLE MANIFESTATION OF OCCLUSIVE VASCULAR DISEASE. PP. 214-24. Waddington MM, R DISEASE. PP. In0 Austin GM, ed. *Microneurosurgical anastomoses for cerebral ischemia*. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m. (Eng) DL/76AUG160

THE ROLE OF BRAIN MONAMINES IN THE SUSCEPTIBILITY TO SEIZURES BROUGHT ABOUT BY CHEMICAL AND ELECTRICAL STIMULATIONS. PP. 259-72. Pfeiffer AK, Unyi G In0 Lissak K, ed. *Hormones and brain function*. New York, Plenum Press, 1973. WL 300 I631H 1971. (Eng) DL/76AUG181

### SENILE

[DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE I. COMPARISON OF THE 2 DIAGNOSTIC METHODS] Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Palummeri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99

### SEPSIS

ENDOCRINE CHANGES IN SEPSIS. Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

NEONATAL SEPSIS. Pierog S, Nigam S *Pediatr Ann* 5: 63-79, Feb 76 (Eng) DL/76AUG289

### SEROSAL PERMEABILITY

D-GALACTOSE ACCUMULATION IN RABBIT ILEUM. EFFECTS OF THEOPHYLLINE ON SEROSAL PERMEABILITY. Holman GD, Naf-talin RJ *Biochim Biophys Acta* 406: 386-401, 17 Oct 75 (Eng) \*DL/76AUG630

### SEROTONIN ANTAGONIST

POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN. Marco J, Hedo JA, Martinell J, Calle C, Villanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

### SERUM

[RADIOIMMUNOLOGICAL DETERMINATIONS OF INSULIN IN SMALL SERUM SAMPLES USING WICK-CHROMATOGRAPHY] Ulrich E, Schneyer U, Hadecke J *Endokrinologie* 63: 364-7, 1974 (Ger) DL/76AUG79

THE ROLE OF SERUM NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY (NSILA) IN COMPENSATORY RENAL GROWTH. Poffenbarger PL, Prince MJ *Growth* 40: 83-97, Mar 76 (Eng) DL/76AUG105

[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES] Milewicz A, Stepień-Dobrowolska M, Szklarz E, Głębowska H, Gładysz A, Czar-nowska J *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

STIMULATION OF LACTIC ACID PRODUCTION IN CHICK EMBRYO FIBROBLASTS BY SERUM AND HIGH PH IN THE ABSENCE OF EXTERNAL GLUCOSE. Fodge DW, Rubin H J

## Diabetes Literature—Keyword Index

### SERUM CHOLESTEROL

*Cell Physiol* 86: 453-7, Dec 75 (Eng)  
\*DL/76AUG539

STANDARD SERUM CHEMICAL AND HAEMATOLOGICAL VALUES IN THE CHACMA BABOON (PAPIO URSINUS). Steyn DG, Hamilton-Bruce RJ, Zuurmond TJ, Pharo R *J S Afr Vet Assoc* 46: 191-6, Jun 75 (Eng) \*DL/76AUG555

[DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS] Andreoni G, Ragaglia G, Schiavi W, Bernaccino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578

[THE INFLUENCE OF FEEDING ON CLINICAL-CHEMICAL PARAMETERS IN THE SERUM OF RATS (AUTHORS TRANSL.)] Breuer J, Kieser H *Z Klin Chem Klin Biochem* 13: 401-5, Sep 75 (Ger) \*DL/76AUG595

[CHANGES IN THE LEVELS OF NONESTERIFIED RAT SERUM FATTY ACIDS UNDER PHYSIOLOGIC AND STRESS CONDITIONS (AUTHORS TRANSL.)] Suva J, Stajner A *Cas Lek Cesk* 114: 1104-7, 5 Sep 75 (Cze) \*DL/76AUG653

AN IMPROVED SEMI-AUTOMATED METHOD FOR THE COLORIMETRIC DETERMINATION OF TRIGLYCERIDES IN SERUM. Demacker PN, van Oppenraay JB, Baadenhuijsen H, Jansen AP *Clin Chim Acta* 64: 45-50, 1 Oct 75 (Eng) \*DL/76AUG661

EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN. Lal S, Tolis G, Martin SB, Brown GM, Guyda H *J Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

[NEW QUANTITATIVE DETERMINATION OF GLUCOSE IN BLOOD OR SERUM] Anonymous *Ther Ggw* 114: 1465-6, Sep 75 (Ger) \*DL/76AUG848

### SERUM CHOLESTEROL

EVALUATION OF SERUM CHOLESTEROL REDUCTION AND XANTHINE OXIDASE INHIBITION IN THE TREATMENT OF ATHEROSCLEROSIS. Oster KA *Recent Adv Stud Cardiac Struct Metab* 3: 73-80, 1973 (Eng) \*DL/76AUG810

### SERUM GROWTH HORMONE

EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY. Syvalahti E, Lammintausta R, Pekkarinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418

### SERUM GROWTH HORMONE RESPONSE

SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY. Cassar J, Mashiter K, Sullivan G, Joplin GF *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408

### SERUM INSULIN

[CARBOHYDRATE TOLERANCE, SERUM INSULIN AND TRIGLYCERIDES IN CORONARY DISEASE] Dobrev DG, Ilkov A *Vutr Boles* 14: 11-22, 1975 (Bul) DL/76AUG371

SERUM INSULIN VALUES DURING ORAL GLUCOSE TOLERANCE TEST IN VARIOUS AGE GROUPS. Kerpel-Fronius E, Gacs G *Acta Paediatr Acad Sci Hung* 16: 197-202, 1975 (Eng) DL/76AUG413

### SERUM LIPID

[CHANGES OF SERUM LIPIDS DURING PARENTERAL FEEDING WITH A 10 PERCENT OF SOY OIL SOLUTION (AUTHORS TRANSL.)] Hernandez Lopez D, Rivera Hidalgo P, Guedea MS, Rivas y Rivas RM, Gutierrez Samperio C *Prensa Med Mex* 40: 346-51, Nov-Dec 75 (Spa) DL/76AUG314

DIETARY REGULATION OF SERUM LIPIDS IN HEALTHY, YOUNG ADULTS. Hill P, Wynder EL *J Am Diet Assoc* 68: 25-30, Jan 76 (Eng) \*DL/76AUG545

EQUINE SERUM LIPIDS: SERUM LIPIDS AND GLUCOSE IN MORGAN AND THOROUGHBRED HORSES AND SHETLAND PONIES. Robie SM, Janson CH, Smith SC, O'Connor JT *Jr Am J Vet Res* 36: 1705-8, Dec 75 (Eng) \*DL/76AUG612

SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION. Thorogood M, Mann JI *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774

SERUM LIPID LEVELS AND THEIR RELATIONSHIP WITH ISCHEMIC HEART DISEASE IN PIGS. Arora RB, Tayal G, Tariq M *Recent Adv Stud Cardiac Struct Metab* 3: 795-803, 1973 (Eng) \*DL/76AUG814

### SERUM TRIGLYCERIDE

FATTY ACID PATTERNS OF SERUM TRIGLYCERIDES AND SUBCUTANEOUS ADIPOSE TISSUES AFTER ILEAL BYPASS IN OBESITY. Kallner A, Hallberg D, Backman L, Scand J *Gastroenterol* 10: 763-7, 1975 (Eng) \*DL/76AUG846

### SEX

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBESE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

### SEX DIFFERENCE

[SEX DIFFERENCES IN CARDIOVASCULAR MORTALITY OF DIABETICS] Heyden S *Disch Med Wochenschr* 101: 789-93, 14 May 76 (Ger) DL/76AUG63

### SEXUAL IMPOTENCE

THE ASSESSMENT OF NOCTURNAL REM ERECTION IN THE DIFFERENTIAL DIAGNOSIS OF SEXUAL IMPOTENCE. Fisher C, Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL/76AUG203

### SHANGHAI INSTITUTE

TOTAL SYNTHESIS OF CRYSTALLINE GLUCAGON BY THE METHOD OF SOLID PHASE CONDENSATION OF FRAGMENTS. PROTEIN SYNTHESIS GROUP, SHANGHAI INSTITUTE OF BIOCHEMISTRY, ACADEMIA SINICA. Anonymous *Sci Sin* 18: 745-68, Nov-Dec 75 (Eng) DL/76AUG338

### SHOCK

ENERGY METABOLISM IN SHOCK. Fritz SD *Heart Lung* 4: 615-8, Jul-Aug 75 (Eng) \*DL/76AUG521

### SH-REAGENT EFFECT

EFFECTS OF SH-REAGENTS OF DIFFERENT MOLECULAR SIZE UPON GLUCOSE METABOLISM IN ISOLATED RAT FAT CELLS. Kather H, Simon B *Horm Metab Res* 7: 415-8, Sep 75 (Eng) \*DL/76AUG690

### SIBLING

X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS. Abe K, Matsuda I, Matsuura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

### SIMULATION MODEL, EXTRACELLULAR

A SIMULATION MODEL OF EXTRACELLULAR GLUCOSE DISTRIBUTION IN THE HUMAN BODY. Tiran J, Galle KR, Porte D Jr *Ann Biomed Eng* 3: 34-46, Mar 75 (Eng) \*DL/76AUG888

### SKIN

SKIN AND DIABETES. I. INCIDENCE OF DIABETES IN A SAMPLE OF HEALTHY SUBJECTS. Binazzi M, Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 197-206, Sep-Dec 74 (Eng) DL/76AUG127

SKIN AND DIABETES. II. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH HERPES ZOSTER. Calandra P, Lisi P *Ital Gen Rev Dermatol* 11: 207-13, Sep-Dec 74 (Eng) DL/76AUG128

SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG. Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 215-20, Sep-Dec 74 (Eng) DL/76AUG129

CAROTENEMIC, SKIN COLOUR AND DIABETES MELLITUS. Hoerer E, Dreyfuss F, Herzberg M *Acta Diabetol Lat* 12: 202-7, May-Aug 75 (Eng) DL/76AUG402

### SLEEP-WAKE CYCLE

CHRONOBIOLOGICAL STUDY OF GROWTH HORMONE SECRETION IN MAN: ITS RELATION TO SLEEP-WAKE CYCLES AND TO INCREASING AGE. PP. 81-7. Dagata R, Vigneri R, Polosa P, Semenkenko EI, Myshkovskii VI, I USON-Stiennon JA, Leclercq G *Int Scheving LE, et al, ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.* (Eng) DL/76AUG186

### SMOKING

MATERNAL SMOKING AND FETAL BREATHING MOVEMENTS. Gennser G, Marsal K, Brantmark B *Am J Obstet Gynecol* 123: 861-7, 15 Dec 75 (Eng) \*DL/76AUG608

THE EFFECT OF TOBACCO SMOKE AND SOME OF ITS CONSTITUENTS ON TRIGLYCERIDE SECRETION IN THE SQUIRREL MONKEY. Turner DM, Topping DL *Res Commun Chem Pathol Pharmacol* 12: 85-100, Sep 75 (Eng) \*DL/76AUG838

### SODIUM

PURIFICATION AND MOLECULAR PROPERTIES OF THE (SODIUM & POTASSIUM)-ADENOSINETRIPHOSPHATASE AND RECONSTITUTION OF COUPLED SODIUM AND POTASSIUM TRANSPORT IN PHOSPHOLIPID VESICLES CONTAINING PURIFIED ENZYME. Hokin LE *J Exp Zool* 194: 197-205, Oct 75 (Eng) [56] \*DL/76AUG547



[ADAPTATION OF RATS FOLLOWING SODIUM-NITRITE-INDUCED METHEMOGLOBINEMIA] Pankow D, Ponsold W, Liedke MD, Gessner G, Pfordte A *Acta Biol Med Ger* 34: 1205-9, 1975 (Ger) \*DL/76AUG597

INHIBITION OF SODIUM-POTASSIUM-ACTIVATED ADENOSINE TRIPHOSPHATASE BY K&M-G&A-ASPARTATE. Fedeleova M, Dzurba A, Ziegelhoffer A *Recent Adv Stud Cardiac Struct Metab* 4: 155-9, 1974 (Eng) \*DL/76AUG819

# SODIUM IODOACETATE

SODIUM IODOACETATE AS AN ANTIGLYCOLYTIC AGENT IN BLOOD SAMPLES. Marbach EP, McLean M, Scharn M, Jones T *Clin Chem* 21: 1810-2, Nov 75 (Eng) \*DL/76AUG658

# SODIUM ION

ENERGETICS OF THE NA&K-DEPENDENT TRANSPORT OF D-GLUCOSE IN RENAL BRUSH BORDER MEMBRANE VESICLES. Beck JC, Sacktor B *J Biol Chem* 250: 8674-80, 25 Nov 75 (Eng) \*DL/76AUG715

ROLE OF NA&K-ACTIVATED ADENOSINE TRIPHOSPHATASE IN THE TRANSMEMBRANE TRANSPORT OF K& AND NA&: RELATIONSHIPS TO THE INOTROPIC AND ELECTROPHYSIOLOGIC EFFECTS OF DIGITALIS. Ten Eick RE, Bassett AL, Okita GT *Recent Adv Stud Cardiac Struct Metab* 4: 107-17, 1974 (Eng) \*DL/76AUG816

CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC ACTION AND BINDING TO AND DISSOCIATION FROM NA&K-ACTIVATED ATPASE IN VITRO. Akera T, Baskin SI, Tobin T, Brody TM *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG818

MEMBRANE NA&K-ATPASE AND ELECTROMECHANICS OF HUMAN HEART. Prasad K *Recent Adv Stud Cardiac Struct Metab* 4: 91-105, 1974 (Eng) \*DL/76AUG826

CALCIUM UPTAKE AND STORAGE IN ISOLATED HEART MITOCHONDRIA INFLUENCED BY SODIUM AND POTASSIUM IONS. Noack E, Greeff K *Recent Adv Stud Cardiac Struct Metab* 5: 165-70, 1975 (Eng) \*DL/76AUG829

# SODIUM SALICYLATE

ANAEROBIC GLYCOLYSIS IN NORMAL HUMAN ERYTHROCYTES INCUBATED IN VITRO WITH SODIUM SALICYLATE. Worathumrong N, Grimes AJ *Clin Sci Mol Med* 49: 375-84, Nov 75 (Eng) \*DL/76AUG482

# SODIUM TRANSPORT

INSULIN STIMULATES ACTIVE SODIUM TRANSPORT IN TOAD BLADDER BY TWO MECHANISMS. Wiesmann WP, Sinha S, Klahr S *Nature* 260: 546-7, 8 Apr 76 (Eng) DL/76AUG272

# SOLEUS MUSCLE

SHORT-TERM MEASUREMENT OF D-XYLOSE UPTAKE BY ISOLATED RAT SOLEUS MUSCLE. Sloan IG, Korbi GP, Gould MK *Mol Cell Endocrinol* 4: 223-37, Mar 76 (Eng) DL/76AUG96

# SOLID PHASE

TOTAL SYNTHESIS OF CRYSTALLINE GLUCAGON BY THE METHOD OF SOLID PHASE CONDENSATION OF FRAGMENTS.

PROTEIN SYNTHESIS GROUP, SHANGHAI INSTITUTE OF BIOCHEMISTRY, ACADEMIA SINICA. Anonymous *Sci Sin* 18: 745-68, Nov-Dec 75 (Eng) DL/76AUG338

# SOLUBILIZATION

THE HLB DEPENDENCY FOR DETERGENT SOLUBILIZATION OF HORMONALLY SENSITIVE ADENYLATE CYCLASE. Storm DR, Field SO, Ryan J *J Supramol Struct* 4: 221-31, 1976 (Eng) DL/76AUG221

ADENOSINE-3:5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME. Azhar S, Menon KM *Eur J Biochem* 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674

# SOMATIC

SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES. Bernardis LL, Goldman JK, Chouvarakis C, Frohman LA *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205

[SOMATIC AND MENTAL DEVELOPMENT OF CHILDREN FROM DIABETIC MOTHERS: RESULTS OF A FOLLOW-UP AT AGES BETWEEN 4 TO 16 YEARS] Amendt P *Acta Paediatr Acad Sci Hung* 16: 299-315, 1975 (Ger) DL/76AUG416

# SOMATOMAMMOTROPIN, HUMAN CHORIONIC

CORRELATION BETWEEN HUMAN CHORIONIC SOMATOMAMMOTROPIN AND PLACENTAL WEIGHT. Rolschau J, Date J, Kristoffersen K, Pedersen GT, Ulrich M *Acta Obstet Gynecol Scand* 54: 341-6, 1975 (Eng) \*DL/76AUG598

# SOMATOMEDIN

[SOMATOSTATIN AND SOMATOMEDINS--NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY] Efendic S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227

SOMATOMEDIN LEVELS IN HUMAN BEINGS. Daughaday WH *Adv Metab Disord* 8: 159-70, 1975 (Eng) [36] \*DL/76AUG601

GLUCOCORTICOID THERAPY IN CHILDREN. EFFECT ON SOMATOMEDIN SECRETION. Elders MJ, Wingfield BS, McNatt ML, Clarke JS, Hughes ER *Am J Dis Child* 129: 1393-6, Dec 75 (Eng) \*DL/76AUG606

# SOMATOMEDIN A

SOMATOMEDIN A AND B: DEMONSTRATION OF TWO DIFFERENT SOMATOMEDIN-LIKE COMPONENTS IN HUMAN PLASMA. Wasteson A, Westermarck B, Uthne K *Adv Metab Disord* 8: 101-13, 1975 (Eng) [23] \*DL/76AUG600

# SOMATOMEDIN B

RADIOIMMUNOASSAY OF SOMATOMEDIN B. Yalow RS, Hall K, Luft R *Adv Metab Disord* 8: 73-83, 1975 (Eng) \*DL/76AUG603

# SOMATOMEDIN, PLASMA

FURTHER OBSERVATIONS ON PLASMA SOMATOMEDIN ACTIVITY IN CHILDREN. van den Brande JL, van Buul S, Heinrich U, van

Roon F, Zurcher T, van Steirtegem AC *Adv Metab Disord* 8: 171-81, 1975 (Eng) \*DL/76AUG602

# SOMATOMEDIN RELEASE

THE EFFECTS OF INSULIN AND GROWTH HORMONE ON THE RELEASE OF SOMATOMEDIN BY THE ISOLATED RAT LIVER. Daughaday WH, Phillips LS, Mueller MC *Endocrinology* 98: 1214-9, May 76 (Eng) DL/76AUG75

# SOMATOSTATIN

THE EFFECT OF SOMATOSTATIN ON RELEASE AND INSULINOTROPIC ACTION OF GASTRIC INHIBITORY POLYPEPTIDE. Pederson RA, Dryburgh JR, Brown JC *Can J Physiol Pharmacol* 53: 1200-5, Dec 75 (Eng) DL/76AUG25

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

[SOMATOSTATIN -- A REVIEW (AUTHORS TRANSL)] Lucke C, Mitkat HJ, von zur Muhlen A *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217

[SOMATOSTATIN AND SOMATOMEDINS--NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY] Efendic S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227

[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY] Schaason G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING B-CELLS IN DIABETES. Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

IMMUNOCYTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN CELL BODIES OF THE RAT HYPOTHALAMUS. Elde RP, Parsons JA *Am J Anat* 144: 541-8, Dec 75 (Eng) \*DL/76AUG605

[ABSENCE OF SOMATOSTATIN EFFECT ON NEUROHYPOPHYSEAL FUNCTION IN MAN] Legros JJ, Brisson J, Franchimont P *C R Soc Biol (Paris)* 168: 1442-5, 1974 (Fre) \*DL/76AUG647

STUDIES ON PEPTIDES. LII. APPLICATION OF THE TRIFLUOROMETHANESULFONIC ACID PROCEDURE TO THE SYNTHESIS OF A PEPTIDE WITH SOMATOSTATIN ACTIVITY. Fujii N, Yajima H *Chem Pharm Bull (Tokyo)* 23: 1596-603, Jul 75 (Eng) \*DL/76AUG655

GROWTH HORMONE RELEASE IN THE RAT: EFFECTS OF SOMATOSTATIN AND THYROTROPIN-RELEASING FACTOR. Brown M, Vale W *Endocrinology* 97: 1151-6, Nov 75 (Eng) \*DL/76AUG670

## Diabetes Literature—Keyword Index

### SOMATOSTATIN

#### SOMATOTROPIC HORMONE

[MECHANISM OF SOMATOTROPIN HORMONE SECRETION AND A TEST FOR ITS EVALUATION] Maleeva A, Milanov S *Vutr Boles* 14: 11-6, 1975 (Bul) DL/76AUG368

TRANSPLANTABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS. Stekar J Z *Krebsforsch* 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390

[LEVEL OF SOMATOTROPIC HORMONES IN THE NEWBORN, THE PARTURIENT AND THE AMNIOTIC FLUID] Balabolkin MI, Ianshyna MN *Pediatr Akush Ginekol* 37-9, Nov-Dec 75 (Ukr) \*DL/76AUG580

#### SOMATOTROPIN

PLASMA IMMUNOREACTIVE INSULIN AND SOMATOTROPIN IN DELIRIUM TREMENS AND ALCOHOLIC HALLUCINOSIS. Dobrzanski T, Pieschl D *J Stud Alcohol* 37: 327-33, Mar 76 (Eng) DL/76AUG224

[BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBSE SUBJECTS] Lanzara P, Marozzi P, Carmina E, Janni A *Pediatr (Napoli)* 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291

[CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavagnini F, Peracchi M, Panerai AE, Pinto M *Quad Sclavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328

#### SORBITOL

CONVERSION OF SORBITOL TO MANNITOL WHEN USED PARENTERALLY. Soummer-Dauphant AM, Chambon P, Chabert JM *Clin Chim Acta* 67: 325-8, 15 Mar 76 (Eng) DL/76AUG42

#### SOY OIL SOLUTION

[CHANGES OF SERUM LIPIDS DURING PARENTERAL FEEDING WITH A 10 PERCENT OF SOY OIL SOLUTION (AUTHORS TRANSL.)] Hernandez Lopez D, Rivera Hidalgo P, Guedea MS, Rivas y Rivas RM, Gutierrez Samperio C *Prensa Med Mex* 40: 346-51, Nov-Dec 75 (Spa) DL/76AUG314

#### SPECIES DIFFERENCE

RAT ADIPOSE TISSUE GLYCOGEN SYNTHASE. EVIDENCE FOR MULTIPLE DISCRETE KINETIC SPECIES AND THEIR INTERCONVERSION. Eichner RD *J Biol Chem* 251: 2316-22, 25 Apr 76 (Eng) DL/76AUG132

SALINITY TOLERANCE AND EXTRACELLULAR OSMOREGULATION IN TWO SPECIES OF EURYHALINE TELEOSTS, CULAEA INCONSTANS AND FUNDULUS DIAPHANUS. Ahokas RA, Duerr FG *Comp Biochem Physiol* [A] 52: 445-8, 1 Nov 75 (Eng) \*DL/76AUG665

#### SPECIFICITY

PROPERTIES AND SPECIFICITY OF A SECOND METAL CHELATOR-SENSITIVE PROTEINASE IN THE KERATINOLYTIC LARVAE OF THE WEBBING CLOTHES MOTH. Ward CW *Aust J Biol Sci* 28: 439-45, Dec 75 (Eng) DL/76AUG465

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. II. KINETIC CHARACTERISTICS AND SPECIFICITY OF GLUCOSE TRANSPORT SYSTEM. Panchenko LF, Fedotov NS, Tarshis MA *Folia Microbiol (Praha)* 20: 480-7, 1975 (Eng) \*DL/76AUG513

NON-COVALENT INTERACTIONS. KEYTO BIOLOGICAL FLEXIBILITY AND SPECIFICITY. Frieden E *J Chem Educ* 52: 754-6, Dec 75 (Eng) \*DL/76AUG541

#### SPERM QUALITY

JUVENILE DIABETES AND HUMAN SPERM QUALITY. Bartak V, Josifko M, Horackova M *Int J Fertil* 20: 30-2, 1975 (Eng) DL/76AUG123

#### SPLANCHNIC

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

#### STALK LESION, PITUITARY

EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS. Laszlo FA, Durszt F, Varga P, Czako L *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77

#### STANDARD

STANDARD SERUM CHEMICAL AND HAEMATOLOGICAL VALUES IN THE CHACMA BABOON (PAPIO URSINUS). Steyn DG, Hamilton-Bruce RJ, Zuromond TJ, Pharo R *J S Afr Vet Assoc* 46: 191-6, Jun 75 (Eng) \*DL/76AUG555

RADIOIMMUNOASSAY AND SATURATION ANALYSIS. STANDARDIZATION AND STANDARDS. Bangham DR, Cotes PM *Br Med Bull* 30: 12-7, Jan 74 (Eng) \*DL/76AUG642

#### STAPHYLOCOCCAL

A STUDY OF SUBCUTANEOUS STAPHYLOCOCCAL INFECTION IN ALLOXAN DIABETIC MICE. Sood U, Agarwal DS, Aurora AL *Indian J Med Res* 63: 1564-76, Nov 75 (Eng) DL/76AUG118

#### STARCH

THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION. Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772

#### STARVATION

TRIGLYCERIDE METABOLISM IN ACUTE STARVATION: THE ROLE OF SECRETIN AND GLUCAGON. Stout RW, Henry RW, Buchanan KD *Eur J Clin Invest* 6: 179-85, 31 Mar 76 (Eng) DL/76AUG87

PHYSIOLOGY OF METABOLISM DURING STARVATION. PP. 17-30. Dietze G, Wicklmayer M, Mehnert H *In: Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [16] DL/76AUG157*

[EFFECT OF VEGETABLE POLYPHENOLS ON THE LEVEL OF GLYCOGEN IN THE TISSUES AND GLUCOSE IN THE BLOOD OF STARVING RABBITS] Shamrai EF, Stroeve LM, Shuliakivska TO *Ukr Biokhim Zh* 47: 107-9, Jan-Feb 75 (Ukr) \*DL/76AUG589

INDUCTION PROCESSES IN BLOOD-BRAIN TRANSFER OF KETONE BODIES DURING STARVATION. Gjerdet A, Cronc C *Am J Physiol* 229: 1165-9, Nov 75 (Eng) \*DL/76AUG609

EFFECT OF NEONATAL DECEBRATION ON THERMOGENESIS DURING STARVATION AND COLD EXPOSURE IN THE RAT. Bignall

KE, Heggeness FW, Palmer JE *Exp Neurol* 49: 174-88, Oct 75 (Eng) \*DL/76AUG679

THE POSSIBLE ROLE OF PALMITOYL-COA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS. Panov AV, Konstantinov YM, Lyakhovich VV *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

EFFECTS OF STARVATION ON ISOLATED HEART PERFORMANCE AND MITOCHONDRIAL CALCIUM SEQUESTERING. Eller RR *Recent Adv Stud Cardiac Struct Metab* 4: 347-57, 1974 (Eng) \*DL/76AUG821

THE EFFECTS OF DEXAMETHASONE AND STARVATION ON BODY COMPOSITION AND REGIONAL ADIPOSE TISSUE CELLULARITY IN THE RAT. Krotkiewski M, Bjornstorp P *Acta Endocrinol (Kbh)* 80: 667-75, Dec 75 (Eng) \*DL/76AUG871

NUTRITION EFFECT ON LIVER AND LYSOSOMES. VIII. THE UNDERNOURISHMENT ROLE IN A FOLLOWING SHORT-TERM STARVATION. Krustev LP, Ibrishimov NI, Popov AA *Acta Histochem (Jena)* 53: 42-57, 1975 (Eng) \*DL/76AUG872

#### STATE-4 JUMP

ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: CHANGE OF MEDIA AND THE STATE-4 JUMP. Archbold GP, Farrington CL, Malpress FH *Biochem Soc Trans* 3: 507-10, 1975 (Eng) \*DL/76AUG686

#### STERIOD

INFLUENCE OF CHOLESTEROL FEEDING ON LIVER MICROSMAL METABOLISM OF STEROIDS AND BILE ACIDS IN CONVENTIONAL AND GERM-FREE RATS. Gustafsson BE, Einarsson K, Gustafsson J *J Biol Chem* 250: 8496-502, 10 Nov 75 (Eng) \*DL/76AUG529

INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES. Lacko L, Wittke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

SOME PROPERTIES OF BECLOMETHASONE DIPROPIONATE AND RELATED STEROIDS IN MAN. Harris DM *Postgrad Med J* 51 SUPPL 4: 20-5, 1975 (Eng) \*DL/76AUG582

THE TRANSFER OF GLUCOSE TO STEROIDS BY CHIMPANZEE LIVER MICROSOMES. Labow RS, Williamson DG, Layne DS, Collins DC *Can J Biochem* 53: 1028-30, Sep 75 (Eng) \*DL/76AUG652

PROTECTIVE EFFECT OF STEROIDS ON LIVER ISCHEMIA. Santiago Delpin EA, Figueroa I, Lopez R, Vazquez J *Am Surg* 41: 683-5, Nov 75 (Eng) \*DL/76AUG889

#### STERIODOGENIC

STERIODOGENIC AND LIPOLYTIC EFFECTS OF CANNABINOLS IN THE RAT AND THE RABBIT. Maier R, Maitre I. *Biochem Pharmacol* 24: 1695-9, 15 Sep 75 (Eng) \*DL/76AUG917

#### STEROL INTERACTION

LIPID-STEROL INTERACTIONS IN LIPOSOMES AND MEMBRANES. de Kruffy B *Biochem Soc Trans* 3: 618-21, 1975 (Eng) \*DL/76AUG503

#### STIMULUS-RESPONSE COUPLING

STIMULUS-RESPONSE COUPLING IN NEUROPHYSICAL PEPTIDE TARGET

CELLS. Järd S, Bockaert J *Physiol Rev* 55: 489-536, Oct 75 (Eng) \*DL/76AUG783

# STIMULUS-SECRETION COUPLING

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaisse WJ *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

# STOMACH

[THE CANDIDIOSIS OF THE STOMACH] Vitovec J *Fortschr Geb Roentgenstr Nuklearned* 124: 289-90, Mar 76 (Ger) DL/76AUG107

[GLUCAGON, STOMACH AND PANCREAS] Kalinin AP, Radbil OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343

# STORAGE, CALCIUM

CALCIUM UPTAKE AND STORAGE IN ISOLATED HEART MITOCHONDRIA INFLUENCED BY SODIUM AND POTASSIUM IONS. Noack E, Greeff K *Recent Adv Stud Cardiac Struct Metab* 5: 165-70, 1975 (Eng) \*DL/76AUG829

# STORAGE, FATTY ACID

STORAGE AND SUPPLY OF FATTY ACIDS BEFORE AND AFTER BIRTH. Hull D *Br Med Bull* 31: 32-6, Jan 75 (Eng) \*DL/76AUG644

# STREPTOZOTOCIN

EFFECT OF STREPTOZOTOCIN ON THE BLOOD GLUCOSE LEVEL AND HISTOLOGY OF THE PRINCIPAL ISLETS OF CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS Z *Mikrosk Anat Forsch* 89: 319-26, 1975 (Eng) DL/76AUG391

EARLY EFFECTS OF THE ADMINISTRATION OF STREPTOZOTOCIN ON MUSCLE GLYCOGEN. de Paoli AA, Masiello P, Bergamini E *Biochem Pharmacol* 25: 933-5, 15 Apr 76 (Eng) DL/76AUG469

# STRESS

BENEFITS OF DIETARY FRUCTOSE IN ALLEVIATING THE HUMAN STRESS RESPONSE. PP. 54-72. Palm JD *In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p* 1974. (Eng) DL/76AUG170

# STRESS, MOTORIC

[EVALUATION OF THE ABILITY TO REGULATE BLOOD VOLUME UNDER STANDARDIZED MOTORIC STRESS] Bunker U, Steinhardt M, Lyhs I *Arch Exp Veterinarmed* 29: 265-79, 1975 (Ger) \*DL/76AUG618

# STRESS, PHYSIOLOGIC

[CHANGES IN THE LEVELS OF NONESTERIFIED RAT SERUM FATTY ACIDS UNDER PHYSIOLOGIC AND STRESS CONDITIONS (AUTHORS TRANSL.)] Suva J, Stajner A *Cas Lek Cesk* 114: 1104-7, 5 Sep 75 (Cze) \*DL/76AUG653

# STRESS, PSYCHIC

EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY. Syvalahti E, Lammintausta R, Pek-

karinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418

# STRESS, THERMAL

EFFECT OF THERMAL STRESS AND DEHYDRATION ON PLASMA LEVELS OF GLUCOSE, FREE FATTY ACIDS AND GROWTH HORMONE IN THE PIGEON. John TM, McKeown BA, George JC *Arch Int Physiol Biochim* 83: 303-8, May 75 (Eng) \*DL/76AUG615

# STRIA VASCULARIS

[ULTRASTRUCTURE OF THE STRIA VASCULARIS OF THE COCHLEA IN ALLOXAN DIABETES] Kozlov Mla, Onegova RF, Petrov VS, Sokoloverova IM *Zh Ushn Nos Gort Bolezn* 36-40, Mar-Apr 76 (Rus) DL/76AUG393

# STROKE

EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS. Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

# SUBCELLULAR FRACTION

DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS. Ramirez VD, Gautron JP, Epelbaum J, Pattou E, Zamora A, Kordon C *Mol Cell Endocrinol* 3: 339-50, Nov 75 (Eng) \*DL/76AUG508

CARDIAC ADENYLATE CYCLASE. I. PREPARATION AND CHARACTERISATION OF A SUBCELLULAR FRACTION CONTAINING CATECHOLAMINE-SENSITIVE ADENYLATE CYCLASE. Jarrott B, Picken GM *J Mol Cell Cardiol* 7: 685-95, Sep 75 (Eng) \*DL/76AUG730

# SUBCOMMISSURAL ORGAN

[HISTOCHEMICAL STUDY OF MACAQUE SUBCOMMISSURAL ORGAN] Ziegels J C R *Soc Biol (Paris)* 168: 1452-4, 1974 (Fre) \*DL/76AUG648

# SUBMITOCHONDRIAL PARTICLE

THE EFFECTS OF ADP ON REVERSE ELECTRON FLOW AND THE OXYGEN EXCHANGE REACTIONS CATALYZED BY BOVINE HEART MUSCLE SUBMITOCHONDRIAL PARTICLES. Mitchell RA, Russo JA, Lamos CM *J Supramol Struct* 3: 256-60, 1975 (Eng) \*DL/76AUG740

# SUBSTRATE

PROTON MAGNETIC RELAXATION STUDIES OF THE INTERACTION OF D-XYLOSE AND XYLITOL WITH D-XYLOSE ISOMERASE. CHARACTERIZATION OF METAL-ENZYME-SUBSTRATE INTERACTIONS. Young JM, Schray KJ, Mildvan AS *J Biol Chem* 250: 9021-7, 10 Dec 75 (Eng) \*DL/76AUG531

PATTERNS OF FATTY ACID RELEASE FROM ENDOGENOUS SUBSTRATES BY HUMAN PLATELET HOMOGENATES AND MEMBRANES. Derksen A, Cohen P *J Biol Chem* 250: 9342-7, 25 Dec 75 (Eng) \*DL/76AUG534

CHLOROQUINE RESISTANCE IN MALARIA: VARIATIONS OF SUBSTRATE-STIMULATED CHLOROQUINE ACCUMULATION. Fitch CD, Chevli R, Gonzalez Y *J Pharmacol Exp Ther* 195: 389-96, Dec 75 (Eng) \*DL/76AUG551

# SUBSTRATE TRANSPORT

PHOSPHATE AND SUBSTRATE TRANSPORT BY ISOLATED HEART MITOCHONDRIA. Brierley GP, Scott KM, Jurkowitz M, Merola AJ *Recent Adv Stud Cardiac Struct Metab* 4: 245-52, 1974 (Eng) \*DL/76AUG820

# SUBSTRATE UTILIZATION

SUBSTRATE UTILIZATION BY THE INACTIVE LEG DURING ONE-LEG OR ARM EXERCISE. Ahlborg G, Hagenfeldt L, Wahren J *J Appl Physiol* 39: 718-23, Nov 75 (Eng) \*DL/76AUG707

# SUCKLING

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszkyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

# SUCROSE

THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION. Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772

EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS. Reiser S, Michaels OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777

# SUCROSE, DIETARY

THE EFFECT OF DIETARY SUCROSE AND DIFFERENT DIETARY FATS ON HYPERLIPIDAEMIA AND ATHEROSCLEROSIS IN WHITE LEGHORN COCKERELS (GALLUS DOMESTICUS). Worcester NA, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 82a-83a, Sep 75 (Eng) \*DL/76AUG773

# SUCROSE, ISOTONIC

TRANSPORT OF PHOSPHOENOLPYRUVATE THROUGH RED CELL MEMBRANE IN ACIDIFIED ISOTONIC SUCROSE MEDIUM. Tomoda A, Hamasaki N, Minakami S *Biochem Biophys Res Commun* 66: 1127-30, 27 Oct 75 (Eng) \*DL/76AUG914

# SUGAR

THE METABOLISM OF INFUSED MALTOSE AND OTHER SUGARS. PP. 73-99. Young EA, West E *In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p* 1974. (Eng) [88] DL/76AUG176

BODY SIZE AND WHOLE BLOOD SUGAR CONCENTRATIONS IN MAMMALS. Umminger BL *Comp Biochem Physiol* [A] 52: 455-8, 1 Nov 75 (Eng) \*DL/76AUG666

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prohs H, Messmer K, Bucklein R, Lob G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

INTERACTION OF ENZYME I OF THE PHOSPHOENOLPYRUVATE:SUGAR PHOSPHOTRANSFER SYSTEM WITH

## Diabetes Literature—Keyword Index

### SUGAR, BLOOD

- ADENYLATE CYCLASE OF *ESCHERICHIA COLI*. Peterkofsky A, Gazdar C *Proc Natl Acad Sci USA* 72: 2920-4, Aug 75 (Eng) \*DL/76AUG760
- EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS. Reiser S, Michaelis OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777
- ROLE OF SUGAR IN MODERN NUTRITION. Stare FJ *World Rev Nutr Diet* 22: 239-47, 1975 (Eng) [9] \*DL/76AUG862
- SUGAR AND CARDIOVASCULAR DISEASE. Grande F *World Rev Nutr Diet* 22: 248-69, 1975 (Eng) [94] \*DL/76AUG863

### SUGAR, BLOOD

- DIURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113
- LETTER: GLUCAGON AND BLOOD SUGAR. Anonymous *N Engl J Med* 294: 1238-40, 27 May 76 (Eng) DL/76AUG266
- [POSTPRANDIAL LEVELS OF BLOOD SUGAR, CHOLESTEROL AND TOTAL LIPIDS IN A GROUP OF NORMAL STUDENTS] Sneed A, Buicu C, Dugher E, Dimitriu M *Rev Med Chir Soc Med Nat Iasi* 79: 555-60, Oct-Dec 75 (Rum) DL/76AUG333
- [COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415
- [COURSE OF BLOOD SUGAR AND EOSINOPHIL COUNT DURING PREGNANCY IN CATTLE] Talos V, Roth G, Pop P, Trif A *Dtsch Tierärztl Wochenschr* 82: 286-8, 5 Jul 75 (Ger) \*DL/76AUG495

### SUGAR METABOLISM

- SUGAR METABOLISM IN OBESE CHILDREN. Barta L, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414

### SUGAR TRANSPORT

- TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN *E. COLI*. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526
- SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557
- SUGAR TRANSPORT BY INTESTINE. ESCAPE OF GALACTOSE FROM PRELOADED MUCOSA OF HAMSTER JEJUNUM. Baker RD, Lo CS, Nunn AS *Biochim Biophys Acta* 401: 429-39, 2 Sep 75 (Eng) \*DL/76AUG625

### SUGAR UPTAKE

- SELECTIVE INHIBITION OF THE FACILITATED MODE OF SUGAR UPTAKE BY CYTOCHALASIN B IN CULTURED CHICK FIBROBLASTS. Dolberg DS, Bassham JA, Bissell MJ *Exp Cell Res* 96: 129-37, Nov 75 (Eng) \*DL/76AUG498

### SUICIDE

- [TISSUE EXCISION AT THE INJECTION SITE AS A POSSIBLE EMERGENCY THERAPY IN SUICIDE USING DEPOT-INSULIN] Guderjahn R *Med Welt* 27: 538-9, 12 Mar 76 (Ger) DL/76AUG239

### SULFONYLUREA

- CLINICAL EVALUATION OF A NEW SULFONYLUREA IN MATURITY ONSET DIABETES - GLIPIZIDE (K-4024). Bandisod MS, Boshell BR *Horm Metab Res* 8: 89-91, Mar 76 (Eng) DL/76AUG114
- HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS. Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115
- FAILURE OF ERGOTAMINE TO ACT AS AN AMPLIFIER OF SULFONYLUREA-STIMULATED INSULIN SECRETION. Sirek A, Sirek OV, Policova Z *Acta Diabetol Lat* 12: 199-201, May-Aug 75 (Eng) DL/76AUG401

### SULFUR METABOLISM

- 14C-GLUCOSE AND 35S-METABOLISM OF PIG EPIPHYSAL CARTILAGE AND ITS VARIATIONS AFTER OSTEOTOMY. Beckmann J, Rodegerdts U, Buddecke E *J Bone Joint Surg [Br]* 57: 506-10, Nov 75 (Eng) \*DL/76AUG535

### SURFACE CHARGE

- EFFECT OF GROWTH HORMONE ON SURFACE CHARGE AND ELECTROPHORETIC MOBILITY OF THYMOCYTES FROM YOUNG AND AGED RATS. Hanjan SN, Talwar GP *Mol Cell Endocrinol* 3: 185-201, Sep 75 (Eng) \*DL/76AUG687

### SURGERY

- MEETING THE SPECIAL NEEDS OF DIABETICS FACING SURGERY. McConnell EA *Nursing (Jenkintown)* 6: 30-7, Jun 76 (Eng) DL/76AUG278
- [INSULIN SECRETION IN PATIENTS FOLLOWING JURASZS SURGERY FOR PANCREATIC PSEUDOCYST] Svoboda Z, Prokes J, Dobesova L *Vnitr Lek* 22: 336-40, Apr 76 (Cze) DL/76AUG362
- EFFECT OF SURGERY ON CARBOHYDRATE METABOLISM. Alant O, Pulay I, Esztergalyos J, Bodnar A *Acta Chir Acad Sci Hung* 16: 307-14, 1975 (Eng) DL/76AUG396

### SURGICAL TREATMENT

- [INDICATIONS AND RESULTS OF SURGICAL TREATMENT OF DIABETIC ARTERIOPATHY (APPROPOS OF 196 CASES)] Levy JB, Rettori R, Olivier C *J Chir (Paris)* 110: 547-50, Dec 75 (Fre) DL/76AUG138

### SURVEY

- MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler

- J, Stamler R, Rhomborg P, Dyer A, Berkson DM, Reedus W, Wannamaker J *J Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

### SUSCEPTIBILITY

- THE ROLE OF BRAIN MONAMINES IN THE SUSCEPTIBILITY TO SEIZURES BROUGHT ABOUT BY CHEMICAL AND ELECTRICAL STIMULATIONS. PP. 259-72. Pfeiffer AK, Unyi G In: Lissak K, ed. *Hormones and brain function*. New York, Plenum Press, 1973. WL 300 1631H 1971. (Eng) DL/76AUG181
- SUSCEPTIBILITY OF MICE TO GROUP B COXSACKIE VIRUS IS INFLUENCED BY THE DIABETIC GENE. Webb SR, Loria RM, Madge GE, Kibrick S *J Exp Med* 143: 1239-48, 1 May 76 (Eng) DL/76AUG191
- DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

### SYMPTOM

- [SIGNIFICANCE OF FATTY LIVER AS AN EARLY SYMPTOM OF DIABETES MELLITUS AND HYPERLIPOPROTEINEMIAS] Hanefeld M, Haller H, Renger F, Stotzner H *Dtsch Z Verdau Stoffwechselk* 34: 299-300, 1974 (Ger) DL/76AUG66

### SYMPTOMATOLOGY

- [SYMPTOMATOLOGY OF REGULATORY MECHANISMS IN OLD AGE] PP. 39-52. Twrby E In: Dobrauer W, ed. *Scriptum geriatricum*. Munchen, Urban & Schwarzenberg, 1975. W3 IN973 1974s. (Ger) DL/76AUG162

### SYNDROME

- [INSULIN AVAILABILITY IN SOME FAMILIAL INHERITED NEUROLOGICAL SYNDROMES (AUTHORS TRANSL)] Fratinio P, Kauchschischvili G, Nappi G, Poloni M, Favino A, Criffo A *Riv Patol Nerv Ment* 95: 624-31, Oct 74 (Ita) DL/76AUG335
- [MAURICHS SYNDROME] Salii AP *Vrach Delo* 78-9, Feb 76 (Rus) DL/76AUG366
- FAT THICKNESS IN THE NEONATAL SMALL LEFT COLON SYNDROME. Kuhns LR, Berger PE, Poznanski AK, Holt JF *Am J Roentgenol* 126: 538-41, Mar 76 (Eng) DL/76AUG441

### SYNDROME, XYY

- [THE XYY SYNDROME (BRIEF CLINICO-MORPHOLOGIC CHARACTERISTICS)] Marinina GP, Blagoveshchenskaia TA, Oleinikov NI *Zh Nevropatol Psikiatr* 76: 413-6, 1976 (Rus) DL/76AUG394

### SYSTEMIC DISEASE

- ESOPHAGEAL MOTOR DYSFUNCTION IN SYSTEMIC DISEASES. Mukhopadhyay AK, Graham DY *Arch Intern Med* 136: 583-8, May 76 (Eng) [79] DL/76AUG458

### TAENIA COLI

- ACTIVE AND PASSIVE CA2& FLUXES ACROSS CELL MEMBRANES OF THE GUINEA-PIG TAENIA COLI. Casteels R, Van Breenen C *Pluegers Arch* 359: 197-207, 9 Sep 75 (Eng) \*DL/76AUG759



**TARGET CELL**

**STIMULUS-RESPONSE COUPLING IN NEUROHYPOPHYSIAL PEPTIDE TARGET CELLS.** Jard S, Bockaert J *J Physiol Rev* 55: 489-536, Oct 75 (Eng) \*DL/76AUG783

**TASTE RESPONSIVENESS**

**EFFECTS OF OBESITY AND SET POINT ON TASTE RESPONSIVENESS AND INGESTION IN HUMANS.** Rodin J *J Comp Physiol Psychol* 89: 1003-9, Nov 75 (Eng) \*DL/76AUG544

**TECUMSEH**

**CORONARY RISK FACTORS IN A COMMUNITY. FINDINGS IN TECUMSEH, MICHIGAN.** Ostrander LD Jr, Lamphiear DE *Circulation* 53: 152-6, Jan 76 (Eng) \*DL/76AUG478

**TEMPERATURE**

**TEMPERATURE-INDUCED CHANGES IN METABOLISM AND BODY WEIGHT OF CATTLE (BOS TAURUS).** Young BA *Can J Physiol Pharmacol* 53: 947-53, Oct 75 (Eng) \*DL/76AUG475

**TEST, GLUCO-AMYLASE**

**[DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS]** Andreoni G, Ragaglia G, Schiavi W, Bernaccino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578

**TEST, MONOSPOT**

**A POSITIVE MONOSPOT TEST IN A DIABETIC WITH SARCOIDOSIS.** Lalor BC, Feely J, Drury MI *Jr J Med Sci* 145: 58-9, Feb 76 (Eng) DL/76AUG126

**TESTING, EXERCISE**

**TREADMILL EXERCISE TESTING OF MASS SCREENING FOR CORONARY RISK FACTORS.** Allen WH, Aronow WS, De Cristofaro D *Cathet Cardiovasc Diagn* 2: 39-48, 1976 (Eng) DL/76AUG32

**TESTING PROCEDURE**

**BIPHASIC RESPONSE ON ORAL GLUCOSE TOLERANCE TESTING IN MYOTONIC DYSTROPHY.** Russell D, Sjaastad O *Acta Neurol Scand* 53: 226-8, Mar 76 (Eng) DL/76AUG411

**TESTIS**

**EFFECT OF FSH AND LH ON THE GLYCOGEN CONCENTRATION IN TESTIS OF INTACT AND HYPOPHYSECTOMIZED RATS.** Leiderman B, Mancini RE *Acta Physiol Lat Am* 24: 305-11, 1974 (Eng) \*DL/76AUG875

**PROPERTIES OF FOLLICLE-STIMULATING-HORMONE RECEPTOR IN CELL MEMBRANES OF BOVINE TESTIS.** Cheng KW *Biochem J* 149: 123-32, Jul 75 (Eng) \*DL/76AUG912

**THEOPHYLLINE**

**D-GALACTOSE ACCUMULATION IN RABBIT ILEUM. EFFECTS OF THEOPHYLLINE ON SEROSAL PERMEABILITY.** Holman GD, Naf-talin RJ *Biochim Biophys Acta* 406: 386-401, 17 Oct 75 (Eng) \*DL/76AUG630

**HEART TRIGLYCERIDE AND GLYCOGEN METABOLISM: EFFECTS OF CATECHOLAMINES, DIBUTYRYL CYCLIC AMP, THEOPHYLLINE, AND FATTY ACIDS.**

Crass MF 3rd *Recent Adv Stud Cardiac Struct Metab* 3: 275-90, 1973 (Eng) \*DL/76AUG796

**RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISOLATED AFTER AORTIC CONSTRICTION, STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT.** Wollenberger A, Kleitke B *Recent Adv Stud Cardiac Struct Metab* 3: 535-50, 1973 (Eng) \*DL/76AUG804

**THERAPEUTIC**

**[WORKING DIABETICS AND THEIR ACTIVITY IN THE THERAPEUTIC PROCESS (AUTHORS TRANSL.)]** Dub O, Brozek I, Nykodym P *Cas Lek Cesk* 115: 330-4, 19 Mar 76 (Cze) DL/76AUG27

**[DIABETES THERAPY—CONCLUSION. SEQUEL 3: THERAPEUTIC FAILURES, COUNTERINDICATIONS OF DRUG THERAPY, SIDE-EFFECTS, THERAPY OF DISEASES AND SPECIAL CONDITIONS, THERAPY OF SIDE-EFFECTS]** Forster H, Forster H *Fortschr Med* 93: 1253-5, 25 Sep 75 (Ger) DL/76AUG108

**PROPERTIES AND THERAPEUTIC USES OF SOME CORTICOSTEROIDS WITH ENHANCED TOPICAL POTENCY.** Harris DM *J Steroid Biochem* 6: 711-6, May 75 (Eng) \*DL/76AUG736

**THERMAL STRESS**

**EFFECT OF THERMAL STRESS AND DEHYDRATION ON PLASMA LEVELS OF GLUCOSE, FREE FATTY ACIDS AND GROWTH HORMONE IN THE PIGEON.** John TM, Mckeown BA, George JC *Arch Int Physiol Biochim* 83: 303-8, May 75 (Eng) \*DL/76AUG615

**THERMOGENESIS**

**STUDIES ON PLASMA FREE-FATTY-ACID METABOLISM AND TRIGLYCERIDE SYNTHESIS OF BROWN ADIPOSE TISSUE IN VIVO DURING COLD-INDUCED THERMOGENESIS OF THE NEWBORN RABBIT.** Schenk H, Heim T, Mende T, Varga F, Goetze E *Eur J Biochem* 58: 15-22, 1 Oct 75 (Eng) \*DL/76AUG675

**EFFECT OF NEONATAL DECEREBRATION ON THERMOGENESIS DURING STARVATION AND COLD EXPOSURE IN THE RAT.** Bignall KE, Heggeness FW, Palmer JE *Exp Neurol* 49: 174-88, Oct 75 (Eng) \*DL/76AUG679

**THERMOREGULATION**

**THERMOREGULATION IN THE YOUNG FOWL (GALLUS DOMESTICUS).** Freeman BM *Comp Biochem Physiol [A]* 54: 141-4, 1976 (Eng) DL/76AUG57

**THIAMIN**

**EFFECT OF POLYCHLORINATED BIPHENYLS AND THIAMIN DEFICIENCY ON LIVER METABOLISM IN GROWING RATS.** Berdani-er CD, Tobin RB, Nielsen RC, Mehlman MA, Veech RL *J Toxicol Environ Health* 1: 91-105, Sep 75 (Eng) \*DL/76AUG732

**THIAMINE**

**THIAMINE TRANSPORT ACROSS THE RAT INTESTINE. II. EFFECT OF ETHANOL.** Hoyumpa AM Jr, Breen KJ, Schenker S, Wilson FA *J Lab Clin Med* 86: 803-16, Nov 75 (Eng) \*DL/76AUG721

**THICKNESS**

**EPIDERMAL THICKNESS OF THE EAR LOBE AND DIABETES.** Posinovec J, Hebrang H *Endokrinologie* 63: 381-5, 1974 (Eng) DL/76AUG81

**THORACIC DUCT**

**CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION.** Seifert J, Prols H, Messmer K, Bucklein R, Lob G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

**THROMBIN**

**DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET.** Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

**THYMOCYTE**

**EFFECT OF GROWTH HORMONE ON SURFACE CHARGE AND ELECTROPHORETIC MOBILITY OF THYMOCYTES FROM YOUNG AND AGED RATS.** Hanjan SN, Talwar GP *Mol Cell Endocrinol* 3: 185-201, Sep 75 (Eng) \*DL/76AUG687

**THYROID**

**ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS.** Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

**THYROID GLAND FUNCTION**

**[PATHOGENESIS OF DISORDERS OF THE THYROID GLAND FUNCTION IN PREGNANCY]** Bobik IuI, Kasatkina LA, Pashchenko AE, Mitso ASH, Fabri ZI *Vopr Okhr Materin Det* 19: 71-3, Feb 74 (Rus) \*DL/76AUG859

**THYROID HORMONE**

**LETTER: THYROID HORMONES IN SERIOUS NON-THYROIDAL ILLNESS.** Anonymous *Lancet* 1: 1070-1, 15 May 76 (Eng) DL/76AUG234

**THYROID STIMULATING HORMONE**

**EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN.** Lal S, Tolis G, Martin SB, Brown GM, Guyda HJ *Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

**THYROTROPIN RELEASING FACTOR**

**GROWTH HORMONE RELEASE IN THE RAT: EFFECTS OF SOMATOSTATIN AND THYROTROPIN-RELEASING FACTOR.** Brown M, Vale W *Endocrinology* 97: 1151-6, Nov 75 (Eng) \*DL/76AUG670

**TISSUE CULTURE**

**SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE.** Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman J *J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

## Diabetes Literature—Keyword Index

### TOAD BLADDER

#### TOAD BLADDER

INSULIN STIMULATES ACTIVE SODIUM TRANSPORT IN TOAD BLADDER BY TWO MECHANISMS. Wiesmann WP, Sinha S, Klahr S. *Nature* 260: 546-7, 8 Apr 76 (Eng) DL/76AUG272

#### TOBACCO

THE EFFECT OF TOBACCO SMOKE AND SOME OF ITS CONSTITUENTS ON TRIGLYCERIDE SECRETION IN THE SQUIRREL MONKEY. Turner DM, Topping DL. *Res Commun Chem Pathol Pharmacol* 12: 85-100, Sep 75 (Eng) \*DL/76AUG838

#### TOLBUTAMIDE

CHARACTERIZATION OF PROTEIN KINASES FROM BOVINE PAROTID GLANDS. THE EFFECT OF TOLBUTAMIDE AND ITS DERIVATIVE ON THESE PARTIALLY PURIFIED ENZYMES. Kanamori T, Hayakawa T, Nagatsu T. *Biochim Biophys Acta* 429: 147-62, 11 Mar 76 (Eng) DL/76AUG2

[COOPERATIVE BINDING OF TOLBUTAMIDE BY ISOLATED RAT ISLETS OF LANGERHANS] Alric R, Manteghetti M, Puech R, Lignon F, Loubatieres A. *C R Acad Sci [D] (Paris)* 281: 2029-32, 22 Dec 75 (Fre) DL/76AUG38

TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT. Bunnag SC, Bunnag S. *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189

#### TOLBUTAMIDE ACTION

INOTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM. Hildner FJ, Yeh BK, Javier RP, Fester A, Samet P. *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31

#### TOLBUTAMIDE CONTROVERSY

THE TOLBUTAMIDE CONTROVERSY. Anonymous. *Compr Ther* 1: 19-20, May 75 (Eng) DL/76AUG51

#### TOLBUTAMIDE, INTRAVENOUS

POTENTIATION OF HYPOGLYCEMIC RESPONSE TO INTRAVENOUS TOLBUTAMIDE BY CLOFIBRATE. Ferrari C, Frezzati S, Testori GP, Bertazzoni A. *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG265

#### TOPICAL

PROPERTIES AND THERAPEUTIC USES OF SOME CORTICOSTEROIDS WITH ENHANCED TOPICAL POTENCY. Harris DM. *J Steroid Biochem* 6: 711-6, May 75 (Eng) \*DL/76AUG736

#### TOXEMIA

[CERTAIN INDICATORS OF THE FUNCTIONAL STATE OF FETOPLACENTAL COMPLEX IN PREGNANCY COMPLICATED BY LATE TOXEMIA AND THREATENED ABORTION] Anisimova MI, Eiber NS, Kiriasova ZhR. *Vopr Okhr Materin Det* 19: 62-6, Apr 74 (Rus) \*DL/76AUG860

#### TOXICITY

[EXPERIMENTAL STUDY OF MANGANESE CHLORIDE TOXICITY] Pashinskii VG, Tuzlukov AP, Rassokhin VM, Arefeva AK, Sedova KS. *Farmakol Toksikol* 38: 618-20, Sep-Oct 75 (Rus) \*DL/76AUG680

#### TOXICOLOGY

[STUDY ON THE CHRONIC TOXICITY OF 1-(4-CYCLOHEXYLUREIDOPHENOXY)-2-HYDROXY-3-TERT-BUTYLAMINOPROPANE(TALINOLOL, CORDANUM, 02-115) IN THE RAT AND THE BEAGLE] Bartsch R, Merbt EM, Riedel H. *Pharmazie* 30: 659-68, Oct 75 (Ger) \*DL/76AUG583

#### TRACE ELEMENT

THE ROLE OF TRACE ELEMENTS IN HUMAN NUTRITION AND METABOLISM. PP. 156-77. Tuman RW, Doisy RJ. In: *0 Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [59] DL/76AUG177*

#### TRANSAMINASE, GLUTAMATE PYRUVATE

THE EFFECT OF 3-MERCAPTOPYRUVIC ACID ON PHOSPHOENOLPYRUVATE CARBOXYKINASE (GTP) IN THE RAT AND GUINEA PIG. Kostos V, DiTullio NW, Rush J, Cieslinski L, Saunders HL. *Arch Biochem Biophys* 171: 459-65, Dec 75 (Eng) \*DL/76AUG614

#### TRANSFER

TRANSFER OF FATTY ACIDS ACROSS THE RABBIT PLACENTA. Elphick MC, Hudson DG, Hull D. *J Physiol (Lond)* 252: 29-42, Oct 75 (Eng) \*DL/76AUG553

ENZYME IMMOBILIZED IN A PACKED-BED REACTOR: KINETIC PARAMETERS AND MASS TRANSFER EFFECTS. Marrazzo WN, Merson RL, McCoy BJ. *Biotechnol Bioeng* 17: 1515-28, Oct 75 (Eng) \*DL/76AUG640

THE TRANSFER OF GLUCOSE TO STEROIDS BY CHIMPANZEE LIVER MICROSOMES. Labow RS, Williamson DG, Layne DS, Collins DC. *Can J Biochem* 53: 1028-30, Sep 75 (Eng) \*DL/76AUG652

#### TRANSFER, GLYCOSYL

GLYCOSYL TRANSFER TO AN ACCEPTOR LIPID FROM INSECTS. Quesada Allue LA, Belocopitow E, Marechal LR. *Biochem Biophys Res Commun* 66: 1201-8, 27 Oct 75 (Eng) \*DL/76AUG915

#### TRANSFERASE, GLUCOSYL

PURIFICATION AND PROPERTIES OF UDP-GLUCOSE GALACTOSYLHYDROXYLYSINE COLLAGE GLUCOSYLTRANSFERASE (EC 2.4.1.) FROM BOVINE ARTERIAL TISSUE. Henkel W, Buddecke E. *Hoppe Seyler's Z Physiol Chem* 356: 921-8, Jun 75 (Eng) \*DL/76AUG695

PROCEEDINGS: MECHANISM OF COLLAGEN: GLUCOSYLTRANSFERASE AND ITS RELATION TO PLATELET: COLLAGEN ADHESION. Smith DF, Kosow DP, Jamieson GA. *Thromb Diath Haemorrh* 34: 334, 30 Sep 75 (Eng) \*DL/76AUG850

#### TRANSFERASE, GLYCOSYL

GLYCOPROTEIN METABOLISM IN HUMAN RENAL DISEASE: SERUM GLYCOPROTEINS AND GLYCOPROTEIN: GLYCOSYL TRANSFERASE LEVELS IN CHRONIC RENAL FAILURE. Kirschbaum BB. *J Lab Clin Med* 86: 764-71, Nov 75 (Eng) \*DL/76AUG720

#### TRANSMEMBRANE PROTON GRADIENTS

THE MEASUREMENT OF TRANSMEMBRANE ELECTROCHEMICAL PROTON GRADIENTS. Rottenberg H. *J Bioenerg* 7: 61-74, May 75 (Eng) \*DL/76AUG713

#### TRANSPEPTIDASE, GAMMA-GLUTAMYL

[GAMMA GLUTAMYL-TRANSPEPTIDASE ACTIVITY AND FREE FATTY ACID LEVEL IN DIABETES (AUTHORS TRANSL.)] Stork A, Skachova J, Kozakova B, Fabian E, Fabianova J, Cermak K. *Cas Lek Cesk* 115: 384-7, 2 Apr 76 (Cze) DL/76AUG28

#### TRANSPLANTATION, ISLET

ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION. Federlin K, Slijepcevic M, Helmke K. *Horn Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116

#### TRANSPLANTATION, PANCREATIC

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETERO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Velth FJ. *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

#### TRANSPORT

POLYAMINE TRANSPORT AND METABOLISM IN MOUSE MAMMARY GLAND. GENERAL PROPERTIES AND HORMONAL REGULATION. Kano K, Oka T. *J Biol Chem* 251: 2795-800, 10 May 76 (Eng) DL/76AUG135

MEMBRANE PERMEABILITY AS A CAUSE OF TRANSPORT DEFECTS IN EXPERIMENTAL FANCONI SYNDROME. A NEW HYPOTHESIS. Bergeron M, Dubord L, Hausser C, Schwab C. *J Clin Invest* 57: 1181-9, May 76 (Eng) DL/76AUG150

DIRECT AND UTILIZATION OF METABOLIC ENERGY FOR TRANSPORT PROCESSES WITHIN PROXIMAL CONVOLUTION. Ullrich KJ. *Curr Probl Clin Biochem* 4: 13-20, 1975 (Eng) \*DL/76AUG485

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. I. ISOLATION AND GENERAL CHARACTERISTICS. Fedotov NS, Panchenko LF, Logachev AP, Bekkouchin AG, Tarshis MA. *Folia Microbiol (Praha)* 20: 470-9, 1975 (Eng) \*DL/76AUG512

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. II. KINETIC CHARACTERISTICS AND SPECIFICITY OF GLUCOSE TRANSPORT SYSTEM. Panchenko LF, Fedotov NS, Tarshis MA. *Folia Microbiol (Praha)* 20: 480-7, 1975 (Eng) \*DL/76AUG513

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. III. EVIDENCE OF ACTIVE NATURE OF GLUCOSE TRANSPORT. Fedotov NS, Panchenko LF, Tarshis MA. *Folia Microbiol (Praha)* 20: 488-95, 1975 (Eng) \*DL/76AUG514

TRANSPORT OF 4-DEOXY- AND 6-DEOXY-D-GLUCOSE IN BAKERS' YEAST. Kotyk A, Michaljanicova D, Veres K, Soukupova V. *Folia Microbiol (Praha)* 20: 496-503, 1975 (Eng) \*DL/76AUG515

# Diabetes Literature—Keyword Index

## TRANSPORT, SODIUM

YEAST PLASMA MEMBRANE VESICLES SUITABLE FOR TRANSPORT STUDIES. Wehrli E, Boehm C, Fuhrmann GF *J Bacteriol* 124: 1594-7, Dec 75 (Eng) \*DL/76AUG525

STIMULATION OF 2-DEOXY-D-GLUCOSE TRANSPORT IN CONTROL AND VIRUS-TRANSFORMED CELLS BY ETHIDIUM BROMIDE. Soslau G, Nass MM *J Cell Physiol* 86: 269-80, Oct 75 (Eng) \*DL/76AUG538

INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES. Lacko L, Wittke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

TWO-CARRIER MODELS FOR MEDIATED TRANSPORT. I. THEORETICAL ANALYSIS OF SEVERAL TWO-CARRIER MODELS. Eilam Y *Biochim Biophys Acta* 401: 349-63, 2 Sep 75 (Eng) \*DL/76AUG622

TWO-CARRIER MODELS FOR MEDIATED TRANSPORT. II. GLUCOSE AND GALACTOSE EQUILIBRIUM EXCHANGE EXPERIMENTS IN HUMAN ERYTHROCYTES AS A TEST FOR SEVERAL TWO-CARRIER MODELS. Eilam Y *Biochim Biophys Acta* 401: 364-9, 2 Sep 75 (Eng) \*DL/76AUG623

ACCELERATIVE EXCHANGE DIFFUSION KINETICS OF GLUCOSE BETWEEN BLOOD AND BRAIN AND ITS RELATION TO TRANSPORT DURING ANOXIA. Betz AL, Gilboe DD, Drewes LR *Biochim Biophys Acta* 401: 416-28, 2 Sep 75 (Eng) \*DL/76AUG624

TRANSPORT-ASSOCIATED PHOSPHORYLATION OF 2-DEOXY-D-GLUCOSE IN SACCHAROMYCES FRAGILIS. Jaspers HT, van Steveninck J *Biochim Biophys Acta* 406: 370-85, 17 Oct 75 (Eng) \*DL/76AUG629

PHOSPHATE AND SUBSTRATE TRANSPORT BY ISOLATED HEART MITOCHONDRIA. Brierley GP, Scott KM, Jurkowitz M, Merola AJ *Recent Adv Stud Cardiac Struct Metab* 4: 245-52, 1974 (Eng) \*DL/76AUG820

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA&& TRANSPORT, AND CA&&-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

## TRANSPORT, ACTIVE

THE EFFECT OF INHIBITORS AND DIURETICS ON ACTIVE TRANSPORT POTENTIALS IN RAT KIDNEY PROXIMAL TUBULE. Fromter E *Curr Probl Clin Biochem* 4: 119-25, 1975 (Eng) \*DL/76AUG848

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLL. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

ACTIVE TRANSPORT IN ESCHERICHIA COLI B MEMBRANE VESICLES. DIFFERENTIAL INACTIVATING EFFECTS FROM THE ENZYMIC OXIDATION OF BETA-CHLORO-L-ALANINE AND BETA-CHLORO-D-ALANINE. Kaczorowski G, Shaw L, Laura R, Walsh C *J Biol Chem* 250: 8921-30, 10 Dec 75 (Eng) \*DL/76AUG530

STRUCTURE AND ACTIVE TRANSPORT IN THE PLASMA MEMBRANE OF THE TUBULES OF FROG KIDNEY. Bresler VM, Bresler SE, Nikiforov AA *Biochim Biophys Acta* 406: 526-37, 3 Nov 75 (Eng) \*DL/76AUG631

## TRANSPORT, ADENINE NUCLEOTIDE

THE POSSIBLE ROLE OF PALMITOYL-COA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS. Panov AV, Konstantinov YM, Lyakhovich VV *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

## TRANSPORT, AMINO ACID

A REDUCTION IN ENERGY-DEPENDENT AMINO ACID TRANSPORT BY MICROTUBULAR INHIBITORS IN EHRLICH ASCITES TUMOR CELLS. Fyfe MJ, Loftfield S, Goldman ID *J Cell Physiol* 86: 201-11, Oct 75 (Eng) \*DL/76AUG537

## TRANSPORT, CALCIUM ION

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA&& TRANSPORT, AND CA&&-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

## TRANSPORT, D-GLUCOSE

ENERGETICS OF THE NA&-DEPENDENT TRANSPORT OF D-GLUCOSE IN RENAL BRUSH BORDER MEMBRANE VESICLES. Beck JC, Sacktor B *J Biol Chem* 250: 8674-80, 25 Nov 75 (Eng) \*DL/76AUG715

## TRANSPORT ENZYME

THE TRANSPORT ENZYME: PHARMACOLOGIC RECEPTOR FOR CARDIAC GLYCOSIDES. Allen JC, Entman ML, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 131-7, 1974 (Eng) \*DL/76AUG817

## TRANSPORT, GLUCOSE

INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA. Harmon JT, Hilf R *J Supramol Struct* 4: 233-40, 1976 (Eng) DL/76AUG222

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. II. KINETIC CHARACTERISTICS AND SPECIFICITY OF GLUCOSE TRANSPORT SYSTEM. Panchenko LF, Fedotov NS, Tarshis MA *Folia Microbiol (Praha)* 20: 480-7, 1975 (Eng) \*DL/76AUG513

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. III. EVIDENCE OF ACTIVE NATURE OF GLUCOSE TRANSPORT. Fedotov NS, Panchenko LF, Tarshis MA *Folia Microbiol (Praha)* 20: 488-95, 1975 (Eng) \*DL/76AUG514

CATABOLITE REPRESSION IN ESCHERICHIA COLI K12 MUTANTS DEFECTIVE IN GLUCOSE TRANSPORT. Gershanovitch VN, Yourovskaya NV, Komissarova LV, Bolshakova TN, Erlagaeva RS, Bourd GI *Mol Gen Genet* 140: 81-90, 15 Sep 75 (Eng) \*DL/76AUG748

GLYCOLYTIC METABOLISM IN CULTURED CELLS OF THE NERVOUS SYSTEM. I. GLUCOSE TRANSPORT AND METABOLISM IN THE C-6 GLIOMA CELL LINE. Lust WD, Schwartz JP, Passonneau JV *Mol Cell Biochem* 8: 169-76, 30 Sep 75 (Eng) \*DL/76AUG749

## TRANSPORT, HEXOSE

ALTERED HEXOSE TRANSPORT AND SALT SENSITIVITY IN CYCLIC ADENOSINE 3,5-MONOPHOSPHATE-DEFICIENT ESCHERICHIA COLI. Ezzell JW, Dobrogosz WJ *J Bacteriol* 124: 815-24, Nov 75 (Eng) \*DL/76AUG711

## TRANSPORT, MALATE

MALATE TRANSPORT INTO HEART MITOCHONDRIA. Digeress SB, Reddy WJ *J Mol Cell Cardiol* 7: 677-84, Sep 75 (Eng) \*DL/76AUG729

## TRANSPORT, MEMBRANE

MEMBRANE TRANSPORT OF PURINE AND PYRIMIDINE BASES AND NUCLEOSIDES IN ANIMAL CELLS. Berlin RD, Oliver JM *Int Rev Cytol* 42: 287-336, 1975 (Eng) [122] \*DL/76AUG520

KINETIC ANALYSIS OF ACTIVE MEMBRANE TRANSPORT SYSTEMS: EQUATIONS FOR NET VELOCITY AND ISOTOPE EXCHANGE. Cuppoletti J, Segel IH *J Theor Biol* 53: 125-44, Sep 75 (Eng) \*DL/76AUG564

## TRANSPORT, MITOCHONDRIAL CALCIUM

ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART. Dhall NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Cardiac Struct Metab* 5: 177-87, 1975 (Eng) \*DL/76AUG831

## TRANSPORT, PHOSPHATE

INHIBITION OF MITOCHONDRIAL PHOSPHATE TRANSPORT BY P-DIAZOBENZENESULFONATE. Dawson AP *Biochem J* 144: 597-99, Dec 74 (Eng) \*DL/76AUG911

## TRANSPORT, PHOSPHOENOLPYRUVATE

TRANSPORT OF PHOSPHOENOLPYRUVATE THROUGH RED CELL MEMBRANE IN ACIDIFIED ISOTONIC SUCROSE MEDIUM. Tomoda A, Hamasaki N, Minakami S *Biochem Biophys Res Commun* 66: 1127-30, 27 Oct 75 (Eng) \*DL/76AUG914

## TRANSPORT, POTASSIUM

PURIFICATION AND MOLECULAR PROPERTIES OF THE (SODIUM & POTASSIUM)-ADENOSINETRIPHOSPHATASE AND RECONSTITUTION OF COUPLED SODIUM AND POTASSIUM TRANSPORT IN PHOSPHOLIPID VESICLES CONTAINING PURIFIED ENZYME. Hokin LE *J Exp Zool* 194: 197-205, Oct 75 (Eng) [56] \*DL/76AUG547

## TRANSPORT, PROTON

ELECTROGENIC PROTON TRANSPORT IN THE PLASMA MEMBRANE OF NEUROSPORA. Slayman CL, Gradmann D *Biophys J* 15: 968-71, Sep 75 (Eng) \*DL/76AUG639

## TRANSPORT, SODIUM

INSULIN STIMULATES ACTIVE SODIUM TRANSPORT IN TOAD BLADDER BY TWO MECHANISMS. Wiesmann WP, Sinha S, Klahr S *Nature* 260: 546-7, 8 Apr 76 (Eng) DL/76AUG272

## TRANSPORT, SUGAR

### TRANSPORT, SUGAR

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

SUGAR TRANSPORT BY INTESTINE. ESCAPE OF GALACTOSE FROM PRELOADED MUCOSA OF HAMSTER JEJUNUM. Baker RD, Lo CS, Nunn AS *Biochim Biophys Acta* 401: 429-39, 2 Sep 75 (Eng) \*DL/76AUG625

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prols H, Messmer K, Bucklein R, Lob G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

### TRANSPORT, THIAMINE

THIAMINE TRANSPORT ACROSS THE RAT INTESTINE. II. EFFECT OF ETHANOL. Hoyumpa AM Jr, Breen KJ, Schenker S, Wilson FA *J Lab Clin Med* 86: 803-16, Nov 75 (Eng) \*DL/76AUG721

### TRANSPORT, TISSUE

ACCESSORY REPRODUCTIVE ORGANS IN MAMMALS: CONTROL OF CELL AND TISSUE TRANSPORT BY SEX HORMONES. Spaziani E *Pharmacol Rev* 27: 207-86, Jun 75 (Eng) [566] \*DL/76AUG782

### TRANSPORT, TRANSMEMBRANE

ROLE OF NA&-K&-ACTIVATED ADENOSINE TRIPHOSPHATASE IN THE TRANSMEMBRANE TRANSPORT OF K& AND NA&: RELATIONSHIPS TO THE INOTROPIC AND ELECTROPHYSIOLOGIC EFFECTS OF DIGITALIS. Ten Eick RE, Bassett AL, Okita GT *Recent Adv Stud Cardiac Struct Metab* 4: 107-17, 1974 (Eng) \*DL/76AUG816

### TRANSPORT, TRIGLYCERIDE

GLUCOCORTICOIDS AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT. Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

### TRAUMA

MEDICINE AND THE LAW. CAN TRAUMA TRIGGER LATENT DIABETES. Revendo WS *Postgrad Med* 59: 231-5, Apr 76 (Eng) DL/76AUG310

### TRICARBOXYLATE CYCLE

THE STEADY STATE CONCENTRATIONS OF COENZYME A-SH AND COENZYME A THIOESTER, CITRATE, AND ISOCITRATE DURING TRICARBOXYLATE CYCLE OXIDATIONS IN RABBIT HEART MITOCHONDRIA. Hansford RG, Johnson RN *J Biol Chem* 250: 8361-75, 10 Nov 75 (Eng) \*DL/76AUG528

### TRIFLUOROMETHANESULPHONIC ACID

STUDIES ON PEPTIDES. LII. APPLICATION OF THE TRIFLUOROMETHANESULPHONIC ACID PROCEDURE TO THE SYNTHESIS OF A PEPTIDE WITH SOMATOSTATIN ACTIVITY. Fujii N, Yajima H *Chem Pharm Bull (Tokyo)* 23: 1596-603, Jul 75 (Eng) \*DL/76AUG655

### TRIGEMINAL NEURALGIA

THE ROLE OF THE AUTONOMIC NERVOUS SYSTEM IN TRIGEMINAL NEURALGIA. Kranzl B, Kranzl C *J Neural Transm* 38: 77-82, 1976 (Eng) DL/76AUG193

### TRIGLYCERIDE

GLUCOCORTICOIDS AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT. Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

[CARBOHYDRATE TOLERANCE, SERUM INSULIN AND TRIGLYCERIDES IN CORONARY DISEASE] Dobrev DG, Ilkov A *Vutr Boles* 14: 11-22, 1975 (Bul) DL/76AUG371

TURNOVER OF FREE FATTY ACIDS AND TRIGLYCERIDE: AN OVERVIEW. Vranic M *Fed Proc* 34: 2233-7, Dec 75 (Eng) \*DL/76AUG499

PERMEABILITY CHARACTERISTICS OF THE ADIPOCYTE CELL MEMBRANE AND PARTITION CHARACTERISTICS OF THE ADIPOCYTE TRIGLYCERIDE CORE. Sherill BC, Dietschy JM *J Membr Biol* 23: 367-83, 1975 (Eng) \*DL/76AUG558

AN IMPROVED SEMI-AUTOMATED METHOD FOR THE COLORIMETRIC DETERMINATION OF TRIGLYCERIDES IN SERUM. Demacker PN, van Oppenraay JB, Baadenhuijsen H, Jansen AP *Clin Chim Acta* 64: 45-50, 1 Oct 75 (Eng) \*DL/76AUG661

HEART TRIGLYCERIDE AND GLYCOGEN METABOLISM: EFFECTS OF CATECHOLAMINES, DIBUTYRYL CYCLIC AMP, THEOPHYLLINE, AND FATTY ACIDS. Crass MF 3rd *Recent Adv Stud Cardiac Struct Metab* 3: 275-90, 1973 (Eng) \*DL/76AUG796

THE EFFECT OF TOBACCO SMOKE AND SOME OF ITS CONSTITUENTS ON TRIGLYCERIDE SECRETION IN THE SQUIRREL MONKEY. Turner DM, Topping DL *Res Commun Chem Pathol Pharmacol* 12: 85-100, Sep 75 (Eng) \*DL/76AUG838

### TRIGLYCERIDE METABOLISM

TRIGLYCERIDE METABOLISM IN ACUTE STARVATION: THE ROLE OF SECRETIN AND GLUCAGON. Stout RW, Henry RW, Buchanan KD *Eur J Clin Invest* 6: 179-85, 31 Mar 76 (Eng) DL/76AUG87

### TRIGLYCERIDE, SERUM

APPLICATION OF LIPOPROTEIN LIPASE FOR THE ASSAY OF SERUM TRIGLYCERIDE. Sugita M, Isobe M, Hirata F, Inagawa T *Chem Pharm Bull (Tokyo)* 23: 1417-20, Jul 75 (Eng) \*DL/76AUG654

FATTY ACID PATTERNS OF SERUM TRIGLYCERIDES AND SUBCUTANEOUS ADIPOSE TISSUE AFTER ILEAL BYPASS IN OBESITY. Kallner A, Hallberg D, Backman L *Scand J Gastroenterol* 10: 763-7, 1975 (Eng) \*DL/76AUG846

### TRIGLYCERIDE SYNTHESIS

STUDIES ON PLASMA FREE-FATTY-ACID METABOLISM AND TRIGLYCERIDE SYNTHESIS OF BROWN ADIPOSE TISSUE IN VIVO DURING COLD-INDUCED THERMOGENESIS OF THE NEWBORN RABBIT. Schenk H, Heim T, Mende T, Varga F, Goetze E *Eur J Biochem* 58: 15-22, 1 Oct 75 (Eng) \*DL/76AUG675

### TROPICAL ENVIRONMENT

DIURNAL VARIATION OF ORAL GLUCOSE TOLERANCE IN A TROPICAL ENVIRONMENT. Oviass VO *J Trop Med Hyg* 79: 54-7, Mar 76 (Eng) DL/76AUG207

### L-TRYPTOPHAN

ALTERATION OF GLUCOSE TOLERANCE BY DIETARY L-TRYPTOPHAN IN RATS. Wittman JS 3d *J Nutr* 106: 631-5, May 75 (Eng) DL/76AUG199

### TUBERCULOSIS, PULMONARY

[CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS] Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanescu I, Bena A, Stefan O *Rev Ig [Pneumofiziol]* 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843

### TUBULAR EXTRACTION

[NORMOGLYCEMIC GLYCOSURIA IN PREGNANT WOMEN. DISCUSSION CONTRIBUTION TO THE ARTICLE OF ASSISTANT PROF. PAV AND SPERL, M.D. TUBULAR EXTRACTION OF GLUCOSE IN PREGNANT WOMEN VNITRNI LEK. 21, 1975, 12, P.1166-9] Rames I *Vnitř Lek* 22: 401-2, Apr 76 (Cze) DL/76AUG364

### TUBULE, KIDNEY

STRUCTURE AND ACTIVE TRANSPORT IN THE PLASMA MEMBRANE OF THE TUBULES OF FROG KIDNEY. Bresler VM, Bresler SE, Nikiforov AA *Biochim Biophys Acta* 406: 526-37, 3 Nov 75 (Eng) \*DL/76AUG631

### TUBULE, PROXIMAL

THE EFFECT OF INHIBITORS AND DIURETICS ON ACTIVE TRANSPORT POTENTIALS IN RAT KIDNEY PROXIMAL TUBULE. Fromter E *Curr Probl Clin Biochem* 4: 119-25, 1975 (Eng) \*DL/76AUG484

REEVALUATION OF MICROPUNCTURE TECHNIQUES: SOME OF THE FACTORS WHICH AFFECT THE RATE OF FLUID ABSORPTION BY THE PROXIMAL TUBULE. Sato K *Curr Probl Clin Biochem* 4: 175-87, 1975 (Eng) \*DL/76AUG487

REABSORPTION OF D-GLUCOSE FROM VARIOUS REGIONS OF THE RAT PROXIMAL CONVOLUTED TUBULE: EVIDENCE THAT THE PROXIMAL CONVOLUTION IS NOT HOMOGENEOUS. Bode F, Chan YL, Goldner AM, Papavassilou F, Wagner M, Baumann K *Curr Probl Clin Biochem* 4: 39-43, 1975 (Eng) \*DL/76AUG490

### TUBULOINTERSTITIAL NEPHRITIS

TUBULOINTERSTITIAL AND GLOMERULAR NEPHRITIS ASSOCIATED WITH RIFAMPIN. REPORT OF A CASE. Gabow PA, Lacher JW, Neff TA *JAMA* 235: 2517-8, 7 Jun 76 (Eng) DL/76AUG209



## Diabetes Literature—Keyword Index

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#### TUMOR

[RENAL INSUFFICIENCY AND DIABETES CURED BY REMOVAL OF A VILLOUS TUMOR OF THE RECTUM] Eugene C, Fingerhut A, Quevauxvilliers J *Nouv Presse Med* 5: 781-3, 20 Mar 1976 (Fre) DL/76AUG294

THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR. Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM *Am J Clin Pathol* 65: 462-6, Apr 76 (Eng) DL/76AUG429

[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL)] Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

[CHROMAFFINE TUMOURS: DIAGNOSIS AND CATAMNESTIC FEATURES BASED ON THE DATA COLLECTED AT THE INSTITUTE OF EXPERIMENTAL THERAPY BETWEEN 1949 AND 1974 (AUTHORS TRANSL)] Ebel H, Classen HG *Arzneim Forsch* 25: 1610-21, Oct 75 (Ger) \*DL/76AUG621

#### TUMOR CELL, EHRICH ASCITE

A REDUCTION IN ENERGY-DEPENDENT AMINO ACID TRANSPORT BY MICROTUBULAR INHIBITORS IN EHRICH ASCITES TUMOR CELLS. Fyfe MJ, Lofffield S, Goldman ID *J Cell Physiol* 86: 201-11, Oct 75 (Eng) \*DL/76AUG537

#### TUMOR, MAMMARY

[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION] PP. 99-113. Mouriquand J *In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h* 1975. (Fre) [70] DL/76AUG183

#### TURNOVER

TURNOVER OF FREE FATTY ACIDS AND TRIGLYCERIDE: AN OVERVIEW. Vranic M *Fed Proc* 34: 2233-7, Dec 75 (Eng) \*DL/76AUG499

SOME OBSERVATIONS ON THE USE OF D-GLUCOSE-2-3H AS A TRACER IN TURNOVER STUDIES IN MERINO SHEEP. Van Der Walt JG *Onderstepoort J Vet Res* 42: 63-5, Mar 75 (Eng) \*DL/76AUG755

TURNOVER OF MYOCARDIAL COMPONENTS IN CARDIAC HYPERTROPHY. Zak R, Martin AF, Dowell RT, Rabinowitz M *Recent Adv Stud Cardiac Struct Metab* 3: 603-14, 1973 (Eng) \*DL/76AUG808

#### TURNOVER, MYOCARDIAL COMPONENTS

TURNOVER OF MYOCARDIAL COMPONENTS IN CARDIAC HYPERTROPHY. Zak R, Martin AF, Dowell RT, Rabinowitz M *Recent Adv Stud Cardiac Struct Metab* 3: 603-14, 1973 (Eng) \*DL/76AUG808

#### ULCER, DUODENAL

GASTRIC EMPTYING OF HYPERTONIC GLUCOSE IN DIABETES MELLITUS AND DUODENAL ULCER. Hall WH, Sanders LL *South Med J* 69: 433-5, Apr 76 (Eng) DL/76AUG341

#### ULCER, RECURRENT

[RECURRENT ULCER FOLLOWING VAGOTOMY: COMPLETION OF VAGOTOMY OR

RESECTION (AUTHORS TRANSL)] Bauer H, Holle F *Munch Med Wochenschr* 118: 453-6, 9 Apr 76 (Ger) DL/76AUG260

#### ULTRASOUND

EYE DISORDERS: USING ULTRASOUND IN OPHTHALMOLOGIC DIAGNOSIS. Hodes BL *Postgrad Med* 59: 197-203, Apr 76 (Eng) DL/76AUG309

#### UNCOUPLER

THE ACTION OF UNCOUPLERS ON LIPID BILAYER MEMBRANES. Neumcke B *Membranes* 3: 215-53, 1975 (Eng) [71] \*DL/76AUG576

#### UNCOUPLING MITOCHONDRIA

ENERGY CONSERVATION AND UNCOUPLING IN MITOCHONDRIA. Hatefi Y *J Supramol Struct* 3: 201-13, 1975 (Eng) [29] \*DL/76AUG737

#### UNDERNOURISHMENT

NUTRITION EFFECT ON LIVER AND LYSOSOMES. VIII. THE UNDERNOURISHMENT ROLE IN A FOLLOWING SHORT-TERM STARVATION. Krustev LP, Ibrishimov NI, Popov AA *Acta Histochem (Jena)* 53: 42-57, 1975 (Eng) \*DL/76AUG872

#### UNIVERSITY GROUP DIABETES PROGRAM

LETTER: UNIVERSITY GROUP DIABETES PROGRAM. Granovetter B *Postgrad Med* 59: 24, Apr 76 (Eng) DL/76AUG311

#### URANYL ACETATE

MASKING OF PLEOMORPHIC GLYCOGEN SITES BY METHANOLIC URANYL ACETATE. Bhatnagar R, Leeson TS *Stain Technol* 50: 213-7, Jul 75 (Eng) \*DL/76AUG853

#### UREMIA

LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS. Daubresse JC, Lerson G, Planteux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA. Davidson MB, Fisher MB, Dabir-Vaziri N, Schaffer M *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245

INHIBITION OF LIPOPROTEIN LIPASE BY UREMIC PLASMA, A POSSIBLE CAUSE OF HYPERTRIGLYCERIDEMIA. Murase T, Catran DC, Rubenstein B, Steiner G *Metabolism* 24: 1279-86, Nov 75 (Eng) \*DL/76AUG745

#### URETER

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETERO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

#### URIDINE DIPHOSPHATE GLUCURONYLTRANSFERASE

LIVER MICROSOMAL BETA-GLUCURONIDASE AND UDP-GLUCURONYLTRANSFERASE. Schollhammer I, Poll DS, Bickel MH *Enzyme* 20: 269-76, 1975 (Eng) \*DL/76AUG496

#### URINARY BLADDER

THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER. Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

#### URINE

VARIATIONS IN THE COMPOSITION OF BLOOD AND URINE FOLLOWING THE INGESTION OF A HIGH-PROTEIN DIET. Heeley DM, Sharmar IM, Cooper DF *Proc Nutr Soc* 34: 69a, Sep 75 (Eng) \*DL/76AUG771

#### UTERINE

INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOGEN PHOSPHORYLASE. Rinard GA, Chew CS *Life Sci* 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572

#### VAGOTOMY

[RECURRENT ULCER FOLLOWING VAGOTOMY: COMPLETION OF VAGOTOMY OR RESECTION (AUTHORS TRANSL)] Bauer H, Holle F *Munch Med Wochenschr* 118: 453-6, 9 Apr 76 (Ger) DL/76AUG260

#### VALSALVA MANOEUVRE

BAROREFLEX SENSITIVITY AND RESPONSES TO THE VALSALVA MANOEUVRE IN SUBJECTS WITH DIABETES MELLITUS. Bennett T, Hosking DJ, Hampton JR *J Neurol Neurosurg Psychiatry* 39: 178-83, Feb 76 (Eng) DL/76AUG194

#### VARIABLE, BIOCHEMICAL

THE EFFECT OF LONG-DISTANCE RUNNING ON SOME BIOCHEMICAL VARIABLES. Riley WJ, Pyke FS, Roberts AD, England JF *Clin Chim Acta* 65: 83-9, 15 Nov 75 (Eng) \*DL/76AUG481

#### VASCULAR

DISORDERS OF VISION: VASCULAR, METABOLIC AND ENDOCRINE. PP. 187-200. Knox DL, VASCULAR, METAB, ENDOCRINE. PP. 187-200. *In: Fields WS, ed. Neurological and sensory disorders in the elderly. New York, Stratton, 1975. WL 100 H843n* 1974. (Eng) DL/76AUG163

#### VASCULAR COMPLICATION

LETTER: DIABETES-RELATED NEUROPATHIC AND VASCULAR COMPLICATIONS. Block BN *Postgrad Med* 59: 29, Mar 76 (Eng) DL/76AUG308

#### VASCULAR DISEASE

THE BELOW-THE-KNEE AMPUTATION FOR VASCULAR DISEASE. Mooney V, Wagner W Jr, Waddell J, Ackerson T *J Bone Joint Surg [Am]* 58: 365-8, Apr 76 (Eng) DL/76AUG136

SEIZURE DISORDERS AS THE SOLE MANIFESTATION OF OCCLUSIVE VASCULAR DISEASE. PP. 214-24. Waddington MM, R

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### VASCULAR DISEASE, PERIPHERAL

DISEASE. PP. In0 Austin GM, ed. *Microneurosurgical anastomoses for cerebral ischemia*. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m. (Eng) DL/76AUG160

### VASCULAR DISEASE, PERIPHERAL

THE SURGICAL MANAGEMENT OF PERIPHERAL VASCULAR DISEASE IN DIABETES MELLITUS. Hershey FB *Compr Ther* 1: 30-5, May 75 (Eng) DL/76AUG54

### VASCULAR HYALINOSIS

[VASCULAR HYALINOSIS IN DIABETIC MICROANGIOPATHY] Saltykov BB, Malkina LA *Arkh Patol* 37: 38-44, 1975 (Rus) DL/76AUG463

### VASCULITIS

VASCULITIS IN MATURITY-ONSET DIABETES MELLITUS. Barner HB *JAMA* 235: 2495, 7 Jun 76 (Eng) DL/76AUG208

### VEGETABLE POLYPHENOL

[EFFECT OF VEGETABLE POLYPHENOLS ON THE LEVEL OF GLYCOGEN IN THE TISSUES AND GLUCOSE IN THE BLOOD OF STARVING RABBITS] Shamrai EF, Stroeve LM, Shuliakivska TO *Ukr Biokhim Zh* 47: 107-9, Jan-Feb 75 (Ukr) \*DL/76AUG589

### VENOUS ANESTHESIA

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

### VENOUS DISEASE

SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG. Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 215-20, Feb-Dec 74 (Eng) DL/76AUG129

### VERAPAMIL

[A FURTHER CASE OF MALIGNANT HYPERTENSIA AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IPROVERATRIL)] (AUTHORS TRANSL.) Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesiol* 25: 80-1, Feb 76 (Ger) DL/76AUG446

### VESICLE

YEAST PLASMA MEMBRANE VESICLES SUITABLE FOR TRANSPORT STUDIES. Wehrli E, Boehm C, Fuhrmann GF *J Bacteriol* 124: 1594-7, Dec 75 (Eng) \*DL/76AUG525

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

ENERGETICS OF THE NA<sup>+</sup>-DEPENDENT TRANSPORT OF D-GLUCOSE IN RENAL BRUSH BORDER MEMBRANE VESICLES. Beck JC, Sacktor B *J Biol Chem* 250: 8674-80, 25 Nov 75 (Eng) \*DL/76AUG715

### VILLOUS TUMOR

[RENAL INSUFFICIENCY AND DIABETES CURED BY REMOVAL OF A VILLOUS TUMOR OF THE RECTUM] Eugene C, Fingerhut A, Quevauvilliers J *Nouv Presse Med* 5: 781-3, 20 Mar 1976 (Fre) DL/76AUG294

### VIRAL INFECTION

AUTOIMMUNITY AND VIRAL INFECTION IN DIABETES MELLITUS. Richens ER, Ancil RJ *Clin Exp Immunol* 23: 40-6, Jan 76 (Eng) DL/76AUG45

### VIRUS

VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS. Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

STIMULATION OF 2-DEOXY-D-GLUCOSE TRANSPORT IN CONTROL AND VIRUS-TRANSFORMED CELLS BY ETHIDIUM BROMIDE. Soslau G, Nass MM *J Cell Physiol* 86: 269-80, Oct 75 (Eng) \*DL/76AUG538

### VISION

DISORDERS OF VISION: VASCULAR, METABOLIC AND ENDOCRINE. PP. 187-200. Knox DL, VASCULAR, METAB, ENDOCRINE. PP. In0 Fields WS, ed. *Neurological and sensory disorders in the elderly*. New York, Stratton, 1975. WL 100 H843n 1974. (Eng) DL/76AUG163

### VISUALIZATION

OPTIMAL VISUALIZATION OF ESOPHAGEAL VARICES. Cockerill EM, Miller RE, Chernish SM, McLaughlin GC 3d, Rodda BE *Am J Roentgenol* 126: 512-23, Mar 76 (Eng) DL/76AUG440

### VITAMIN A

ROLE OF ADRENALS IN THE VITAMIN A-MEDIATED INCREASE IN THE ACTIVITIES OF GLUCONEOGENIC ENZYMES OF RAT LIVER. Singh M, Ningh VN, Venkatasubramanian TA *Life Sci* 17: 859-65, 15 Sep 75 (Eng) \*DL/76AUG573

### VITAMIN E

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszkyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

### VOLUME, BLOOD

ROLE OF CORTISOL IN THE RESTITUTION OF BLOOD VOLUME AFTER HEMORRHAGE. Gann DS, Pirkle JC Jr *Am J Surg* 130: 565-9, Nov 75 (Eng) \*DL/76AUG611

[EVALUATION OF THE ABILITY TO REGULATE BLOOD VOLUME UNDER STANDARDIZED MOTORIC STRESS] Bunker U, Steinhardt M, Lyhs L *Arch Exp Veterinarmed* 29: 265-79, 1975 (Ger) \*DL/76AUG618

### WARSAW

[REGISTRATION OF CASES OF MYOCARDIAL INFARCT IN WARSAW AND LUBLIN. PREVIOUS MEDICAL HISTORY] Zespolowa P *Pol*

*Tyg Lek* 31: 393-7, 8 Mar 76 (Pol) DL/76AUG302

### WATER

EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS. Laszlo FA, Durszt F, Varga P, Czako L *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77

### WATER INTOXICATION

[HYPONATREMIA, HYPOSMOLARITY AND WATER INTOXICATION] Truniger B *Med Klin* 70: 1071-9, 20 Jun 75 (Ger) [30] DL/76AUG252

[WATER INTOXICATION] Truniger B *Z Gesamte Inn Med* 30: 170-3, 1 Sep 75 (Ger) DL/76AUG382

### WEANLING

SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES. Bernardis LL, Goldman JK, Chlouverakis C, Frohman LA *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205

### WEIGHT

CORRELATION BETWEEN HUMAN CHORIONIC SOMATOMAMMOTROPIN AND PLACENTAL WEIGHT. Rolschau J, Date J, Kristoffersen K, Pedersen GT, Ulrich M *Acta Obstet Gynecol Scand* 54: 341-6, 1975 (Eng) \*DL/76AUG598

### WHOLE BLOOD

[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES] Milewicz A, Stepien-Dobrowolska M, Szklarz E, Giebowaska H, Gladysz A, Czarowska J *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

BODY SIZE AND WHOLE BLOOD SUGAR CONCENTRATIONS IN MAMMALS. Ummering BL *Comp Biochem Physiol* [A] 52: 455-8, 1 Nov 75 (Eng) \*DL/76AUG666

### WHOLE BODY RADIOMETRY

[STUDY OF THE CONTENT OF TOTAL POTASSIUM IN PATIENTS WITH DIABETES MELLITUS BY THE METHOD OF WHOLE BODY RADIOMETRY] Ershova LM, Gabunia RI, Kaplan MA *Ter Arkh* 47: 117-9, 1975 (Rus) DL/76AUG348

### WOMAN

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D In0 Scheving LE, et al., ed. *Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188

MUOCARDIAL INFARCTION AND ESTROGEN THERAPY IN POST-MENOPAUSAL WOMEN. Rosenberg L, Armstrong B, Phil D, Jick H *N Engl J Med* 294: 1256-9, 3 Jun 76 (Eng) DL/76AUG267

[CHARACTERISTICS OF CHEMICAL DIABETES MELLITUS IN WOMEN] Petcu D, Motocu M, Gligore V *Rev Med Intern* [Med Intern] 28: 145-51, Mar-Apr 76 (Rum) DL/76AUG334

GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN. Fallucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

# XANTHINE OXIDASE

EVALUATION OF SERUM CHOLESTEROL REDUCTION AND XANTHINE OXIDASE INHIBITION IN THE TREATMENT OF ATHEROSCLEROSIS. Oster KA *Recent Adv Stud Cardiac Struct Metab* 3: 73-80, 1973 (Eng) \*DL/76AUG810

# XANTHOMA, ERUPTIVE

ACANTHOSIS NIGRICANS AND ERUPTIVE XANTHOMA. Emmerson RW *Proc R Soc Med* 69: 311-2, Apr 76 (Eng) DL/76AUG320

# X-RAY SCATTERING

THE USE OF X-RAY SCATTERING IN THE STUDY OF LIPID BILAYER PLANAR ORGANIZATION. Engelman DM *Biophys J* 15: 940-4, Sep 75 (Eng) \*DL/76AUG635

# XYLITOL

XYLITOL: STIMULATION OF INSULIN AND INHIBITION OF GLUCAGON RESPONSES TO ARGININE IN MAN. Scino Y, Taminato T, Inoue Y, Goto Y, Ikeda M *J Clin Endocrinol Metab* 42: 736-43, Apr 76 (Eng) DL/76AUG146

PROTON MAGNETIC RELAXATION STUDIES OF THE INTERACTION OF D-XYLOSE AND XYLITOL WITH D-XYLOSE ISOMERASE. CHARACTERIZATION OF METAL-ENZYME-SUBSTRATE INTERACTIONS. Young JM, Schray KJ, Mildvan AS *J Biol Chem* 250: 9021-7, 10 Dec 75 (Eng) \*DL/76AUG531

# D-XYLOSE

SHORT-TERM MEASUREMENT OF D-XYLOSE UPTAKE BY ISOLATED RAT SOLEUS MUSCLE. Sloan IG, Korbi GP, Gould MK *Mol Cell Endocrinol* 4: 223-37, Mar 76 (Eng) DL/76AUG96

PROTON MAGNETIC RELAXATION STUDIES OF THE INTERACTION OF D-XYLOSE AND XYLITOL WITH D-XYLOSE ISOMERASE. CHARACTERIZATION OF METAL-ENZYME-SUBSTRATE INTERACTIONS. Young JM, Schray KJ, Mildvan AS *J Biol Chem* 250: 9021-7, 10 Dec 75 (Eng) \*DL/76AUG531

# XXX SYNDROME

[THE XXX SYNDROME (BRIEF CLINICOMORPHOLOGIC CHARACTERISTICS)] Marinina GP, Blagoveshchenskaia TA, Oleinikov NI *Zh Nevropatol Psikhiatr* 76: 413-6, 1976 (Rus) DL/76AUG394

# YEAST

EFFECTS OF GLUCOSE REPRESSION OF THE TRANSMISSION AND RECOMBINATION OF MITOCHONDRIAL GENES IN YEAST (SACCHAROMYCES CEREVISIAE). Birky CW Jr *Genetics* 80: 695-709, Aug 75 (Eng) \*DL/76AUG509

YEAST PLASMA MEMBRANE VESICLES SUITABLE FOR TRANSPORT STUDIES. Wehrli E, Boehm C, Fuhrmann GF *J Bacteriol* 124: 1594-7, Dec 75 (Eng) \*DL/76AUG525

# YOUNG

THERMOREGULATION IN THE YOUNG FOWL (GALLUS DOMESTICUS). Freeman BM *Comp*

*Biochem Physiol [A]* 54: 141-4, 1976 (Eng) DL/76AUG57

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D In: Scheving LE, et al., ed. *Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188

EFFECT OF GROWTH HORMONE ON SURFACE CHARGE AND ELECTROPHORETIC MOBILITY OF THYMOCYTES FROM YOUNG AND AGED RATS. Hanjan SN, Talwar GP *Mol Cell Endocrinol* 3: 185-201, Sep 75 (Eng) \*DL/76AUG687

SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION. Thorogood M, Mann JI *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774

# ZINC METABOLISM

A STUDY OF THE METABOLISM OF ZINC ITS METALLOENZYMES IN DIABETES MELLITUS. Mateo MC, Bustamante JB, Quiros JF, Manchado OO *Biomedicine [Express]* 23: 134-6, 30 Apr 75 (Eng) DL/76AUG7

the 1990s, the number of people in the world who are undernourished has increased from 600 million to 800 million (FAO 1996).

There are a number of reasons why the world's population is becoming more undernourished. First, the world's population is growing rapidly, and the number of mouths to feed is increasing. Second, the world's food production is not keeping pace with the growing demand. Third, the world's food distribution is highly unequal, with the richest countries consuming the most food and the poorest countries consuming the least. Fourth, the world's food production is becoming increasingly dependent on fossil fuels, which are becoming increasingly scarce and expensive. Fifth, the world's food production is becoming increasingly vulnerable to climate change, which is causing more frequent and severe droughts and floods.

There are a number of ways in which the world's food production and distribution can be improved. First, the world's food production can be increased by using more efficient farming techniques, such as precision agriculture and integrated pest management. Second, the world's food production can be made more sustainable by using renewable resources, such as solar energy and organic fertilizers. Third, the world's food distribution can be improved by reducing food waste and increasing the efficiency of the food supply chain. Fourth, the world's food production can be made more resilient to climate change by using drought-tolerant crops and improving water management practices. Fifth, the world's food production can be made more equitable by ensuring that small-scale farmers have access to land and resources.

There are a number of challenges that must be overcome in order to achieve these goals. First, the world's food production is highly dependent on fossil fuels, which are becoming increasingly scarce and expensive. Second, the world's food production is becoming increasingly vulnerable to climate change, which is causing more frequent and severe droughts and floods. Third, the world's food distribution is highly unequal, with the richest countries consuming the most food and the poorest countries consuming the least.

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# Diabetes Literature—Author Index

Subject headings are included only under first author.

## Abe K

**X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS.** Abe K, Matsuda I, Matsuura N, Murayama T, Uzaki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

**CASE REPORT: CHILD, PRESCHOOL;** CRYPTORCHISM (familial & genetic, metabolism); FSH (blood); GROWTH DISORDERS (familial & genetic, metabolism); HUMAN; HYPOGONADISM (familial & genetic, metabolism); ICHTHYOSIS (familial & genetic, metabolism); INSULIN (blood); LH (blood); MALE; MENTAL RETARDATION (familial & genetic, metabolism); SOMATOTROPIN (blood); THYROTROPIN (blood); 17-HYDROXYCORTICOSTEROIDS (urine); 17-KETOSTEROIDS (urine).

## Aberg H

**DETECTION AND CHARACTERIZATION OF MIDDLE-AGED MEN WITH HYPERTENSION.** Hedstrand H, Aberg H *Acta Med Scand* 199: 273-80, 1976 (Eng) DL/76AUG419

## Abramson JH

**THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE.** Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202

**THE CONTROL OF CARDIOVASCULAR RISK FACTORS IN THE ELDERLY.** Abramson JH, Hopp C *Prev Med* 5: 32-47, Mar 76 (Eng) [96] DL/76AUG315

**AGED; CARDIOVASCULAR DISEASES** (mortality, prevention & control); **DIABETIC ANGIOPATHIES** (prevention & control); **DIET, REDUCING; EXERTION; HUMAN;** **HYPERLIPIDEMIA** (complications, diet therapy); **HYPERTENSION** (complications, drug therapy); **OBESITY** (complications); **REVIEW; RISK;** **SMOKING** (complications, prevention & control).

## Abs R

**[PANCREATIC ABSCESS AND ACUTE DIABETES MELLITUS]** de Leeuw I, Abs R *Tijdschr Gastroenterol* 18: 329-39, 1975 (Dut) DL/76AUG353

**[BRONCHIAL CARCINOMA WITH SECRETION OF ACTH AND HCG (AUTHORS TRANSL)]** De Leeuw I, van den Bergh O, Abs R *Acta Tuberc Pneumol Belg* 66: 361-7, Jul-Oct 75 (Dut) DL/76AUG423

## Ackerson T

**THE BELOW-THE-KNEE AMPUTATION FOR VASCULAR DISEASE.** Mooney V, Wagner W Jr, Waddell J, Ackerson T *J Bone Joint Surg [Am]* 58: 365-8, Apr 76 (Eng) DL/76AUG136

## Aderka D

**LETTER: PHENYTOIN IN METASTATIC INSULINOMA.** Aderka D, Shakrai M, Doron M, Laron Z, Pinkhas J, De Vries A *JAMA* 234: 1119, 15 Dec 75 (Eng) \*DL/76AUG733

**CASE REPORT; DIPHENYLHYDANTOIN** (therapeutic use); **FEMALE; HUMAN; ISLET CELL TUMOR** (drug therapy); **MIDDLE AGE;** **PANCREATIC NEOPLASMS** (drug therapy).

## Adlercreutz H

**LETTER: EFFECTS OF EXERTION ON HORMONE SECRETION.** Karonen SL, Adlercreutz H, Dessypris A *Br Med J* 4: 102-3, 11 Oct 75 (Eng) \*DL/76AUG645

## Agarwal DS

**A STUDY OF SUBCUTANEOUS STAPHYLOCOCCAL INFECTION IN ALLOXAN DIABETIC MICE.** Sood U, Agarwal DS, Aurora AL *Indian J Med Res* 63: 1564-76, Nov 75 (Eng) DL/76AUG118

## Agarwal JB

**ADAPTATION OF THE CORONARY CIRCULATION TO PRIMARY MYOCARDIAL DISEASE.** Klassen GA, Tanser PH, Marpole D, Agarwal JB *Recent Adv Stud Cardiac Struct Metab* 3: 497-506, 1973 (Eng) \*DL/76AUG802

## Ahlborg G

**SUBSTRATE UTILIZATION BY THE INACTIVE LEG DURING ONE-LEG OR ARM EXERCISE.** Ahlborg G, Hagenfeldt L, Wahren J *J Appl Physiol* 39: 718-23, Nov 75 (Eng) \*DL/76AUG707

**ADULT; BLOOD SUGAR** (metabolism); **ELECTROMYOGRAPHY; ENERGY METABOLISM, EXERTION; FATTY ACIDS, NONESTERIFIED** (metabolism); **GLYCOGEN** (metabolism); **HUMAN; LACTATES** (metabolism); **LEG** (physiology, blood supply); **MALE; MIDDLE AGE; MUSCLES** (physiology, metabolism); **OLEIC ACIDS** (metabolism); **OXYGEN CONSUMPTION; REGIONAL BLOOD FLOW; VASCULAR RESISTANCE.**

## Ahmad MR

**CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS.** Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357

## Ahmed SS

**CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS.** Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357

## Ahnefeld FW

**[METABOLIC BEHAVIOR AND UTILIZATION OF PARENTERALLY ADMINISTERED CARBOHYDRATES IN THE POSTOPERATIVE PHASE]** Dolp R, Grab E, Knoche E, Ahnefeld FW *Infusionstherapie* 2: 103-10, Apr 75 (Ger) \*DL/76AUG699

## Ahokas RA

**SALINITY TOLERANCE AND EXTRACELLULAR OSMOREGULATION IN TWO SPECIES OF EURYHALINE TELEOSTS, CULAE INCONSTANS AND FUNDULUS DIAPHANUS.** Ahokas RA, Ducett FG *Comp Biochem Physiol* [A] 52: 445-8, 1 Nov 75 (Eng) \*DL/76AUG665

**ACCLIMATIZATION; ANIMAL; BLOOD SUGAR** (analysis); **BLOOD** (physiology); **CHLORIDES** (blood); **COMPARATIVE STUDY;** **FISHES** (blood); **POTASSIUM** (blood); **SEAWATER; SODIUM** (blood); **SPECIES SPECIFICITY; UNITED STATES GOVERNMENT SUPPORTED, NON-N.H.I.; WATER-ELECTROLYTE BALANCE.**

## Aitio A

**ETHANOL INDUCED ALTERATION OF MICROSOMAL MEMBRANE BOUND ENZYMES OF RAT LIVER IN VITRO.** Marniemi J, Aitio A, Vainio H *Acta Pharmacol Toxicol (Kbh)* 37: 222-32, Sep 75 (Eng) \*DL/76AUG873

## Akera T

**CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC ACTION AND BINDING TO AND DISSOCIATION FROM NA&K-K-ACTIVATED ATPASE IN VITRO.** Akera T, Baskin SI, Tobin T, Brody TM *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG818

**ADENOSINE TRIPHOSPHATASE** (metabolism, antagonists & inhibitors); **ANIMAL; BINDING SITES; CATS; DOGS; FEMALE; GUINEA PIGS; MALE; MYOCARDIAL CONTRACTION** (drug effects); **MYOCARDIUM** (enzymology); **OUABAIN** (pharmacodynamics, metabolism); **RABBITS; SPECIES SPECIFICITY; STIMULATION, CHEMICAL; TIME FACTORS.**

## Akhtar M

**THE MECHANISM OF C-4 DEMETHYLATION DURING CHOLESTEROL BIOSYNTHESIS.** Wilton DC, Akhtar M *Biochem J* 149: 233-5, Jul 75 (Eng) \*DL/76AUG913

## Akinbami TK

**DETERMINANTS OF THE FORMATION AND ACTIVITY OF FACTOR V-PHOSPHOLIPID COMPLEXES. I. INFLUENCE OF PHOSPHOLIPID STRUCTURE.** Kandall CL, Shohet SB, Akinbami TK, Colman RW *Thromb Diath Haemorrh* 34: 256-70, 30 Sep 75 (Eng) \*DL/76AUG849

## Alant O

**EFFECT OF SURGERY ON CARBOHYDRATE METABOLISM.** Alant O, Pulay I, Esztergalyos J, Bodnar A *Acta Chir Acad Sci Hung* 16: 307-14, 1975 (Eng) DL/76AUG396

**ADULT; AGED; ANESTHETICS; ANTIGENS** (analysis); **BLOOD SUGAR** (metabolism); **CHOLELITHIASIS** (surgery); **COMMON BILE DUCT CALCULI** (surgery); **DIAPHRAGMATIC HERNIA** (surgery); **FEMALE; HUMAN; INSULIN** (blood); **MALE; MIDDLE AGE; NEOPLASMS** (surgery); **POSTOPERATIVE COMPLICATIONS** (blood).

## Albers J

**GLUCOCORTICOIDS AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT.** Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

## Albers-Schonberg G

**CARDIAC METABOLISM OF BETA-HYDROXY FATTY ACIDS.** Hull FE, Malone M, Albers-Schonberg G *Recent Adv Stud Cardiac Struct Metab* 3: 39-52, 1973 (Eng) \*DL/76AUG800

## Alberti KG

**LETTER: METABOLIC EFFECTS OF BRAN.** Leeds A, Gassull MA, Jenkins DJ, Alberti KG *Br Med J* 1: 900-1, 10 Apr 76 (Eng) DL/76AUG22

**LETTER: AGE-DEPENDENT SENSITIVITY TO SALICYLATE.** Stubbs WA, Alberti KG, Woods

## Diabetes Literature—Author Index

### Alford FP

HF, Teddy PJ *Lancet* 2: 1216, 13 Dec 75 (Eng)  
\*DL/76AUG571

### Alford FP

LETTER: DIABETES WITHOUT GLUCAGON.  
Barnes AJ, Bloom SR, Alford FP, Russell RC  
*Lancet* 1: 967, 1 May 76 (Eng) DL/76AUG232

### Allen FH Jr

THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS. Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisiadis L, Hardy MA, Reemtsma K, Allen FH Jr *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

### Allen JC

THE TRANSPORT ENZYME: PHARMACOLOGIC RECEPTOR FOR CARDIAC GLYCOSIDES. Allen JC, Entman ML, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 131-7, 1974 (Eng)  
\*DL/76AUG187

ADENOSINE TRIPHOSPHATASE (metabolism, antagonists & inhibitors); ANIMAL; BINDING SITES; DOGS; DOSE-RESPONSE RELATIONSHIP, DRUG; MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (enzymology); OUBAIN (metabolism, pharmacodynamics); RECEPTORS, DRUG.

### Allen WH

TREADMILL EXERCISE TESTING OF MASS SCREENING FOR CORONARY RISK FACTORS. Allen WH, Aronow WS, De Cristofaro D *Cathet Cardiovasc Diagn* 2: 39-48, 1976 (Eng)  
DL/76AUG32

ADULT; CHOLESTEROL (blood); CORONARY DISEASE (diagnosis, etiology); ELECTROCARDIOGRAPHY; EXERCISE TEST; FEMALE; HUMAN; HYPERGLYCEMIA (complications); HYPERTENSION (complications); MALE; MASS SCREENING; MIDDLE AGE; OBESITY (complications); RISK; SMOKING (complications); TRIGLYCERIDES (blood).

### Alliopoulos JC

THE RESPONSE OF BLOOD FLOW TO ALTERED PERFUSION PRESSURE IN CANINE ADIPOSE TISSUE. Ballard K, Alliopoulos JC *Proc Soc Exp Biol Med* 150: 65-70, Oct 75 (Eng)  
\*DL/76AUG780

### Alpert JS

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPLANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng)  
DL/76AUG425

### Alric R

[COOPERATIVE BINDING OF TOLBUTAMIDE BY ISOLATED RAT ISLETS OF LANGERHANS] Alric R, Manteghetti M, Puech R, Lignon F, Loubatieres A *C R Acad Sci [D] (Paris)* 281: 2029-32, 22 Dec 75 (Fre) DL/76AUG38  
ANIMAL EXPERIMENTS (analysis); BINDING SITES; ENGLISH ABSTRACT; IN VITRO; ISLANDS OF LANGERHANS (metabolism); KINETICS; RATS; TOLBUTAMIDE (metabolism).

### Altenahr E

ULTRASTRUCTURE OF HEMANGIOEPICYTOMA ASSOCIATED WITH PARANEOPlastic HYPOGLYCEMIA. Bommer G, Altenahr E, Kuhnau J Jr, Kloppel G *Z Krebsforsch* 85: 231-41, 19 Mar 76 (Eng)  
DL/76AUG389

### Amato RS

LETTER: MANAGEMENT OF KETOACIDOSIS IN CHILDREN. Amato RS *N Engl J Med* 294: 1405-6, 17 Jun 76 (Eng) DL/76AUG270

ACIDOSIS, DIABETIC (drug therapy); ADOLESCENCE; ADULT; AGE FACTORS; CHILD; HUMAN; INSULIN (administration & dosage, therapeutic use).

### Amendt P

[NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W *Endokrinologie* 63: 373-80, 1974 (Ger)  
DL/76AUG80

ADOLESCENCE; ANTIGENS; BLOOD SUGAR (metabolism); CARBOHYDRATES (diagnostic use); CHILD; ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INFANT, NEWBORN; INSULIN (secretion); PANCREAS (physiology); PREGNANCY.

[COURSES OF BLOOD SUGAR, INSULIN, GROWTH HORMONE, FREE FATTY ACIDS AND GLYCERIN FOLLOWING INTRAVENOUS AND ORAL GLUCOSE LOAD IN CHILDREN OF DIABETIC MOTHERS AND OF A HEALTHY CONTROL GROUP] Amendt P *Acta Paediatr Acad Sci Hung* 16: 281-98, 1975 (Ger) DL/76AUG415

ADMINISTRATION, ORAL; ADOLESCENCE; BLOOD SUGAR (metabolism); CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (diagnosis); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (administration & dosage); GLYCERIN (blood); HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (blood); MATERNAL-FETAL EXCHANGE; PREGNANCY IN DIABETES (complications); PREGNANCY; SOMATOTROPIN (blood).

[SOMATIC AND MENTAL DEVELOPMENT OF CHILDREN FROM DIABETIC MOTHERS: RESULTS OF A FOLLOW-UP AT AGES BETWEEN 4 TO 16 YEARS] Amendt P *Acta Paediatr Acad Sci Hung* 16: 299-315, 1975 (Ger)  
DL/76AUG416

ABNORMALITIES (etiology); ADOLESCENCE; ADULT; CEREBRAL PALSY (etiology); CHILD DEVELOPMENT; CHILD; CHILD, PRESCHOOL; FEMALE; FOLLOW-UP STUDIES; GROWTH; HUMAN; MALE; MATERNAL AGE; MATERNAL-FETAL EXCHANGE; MENTAL RETARDATION (etiology); PREGNANCY IN DIABETES (complications); PREGNANCY.

### Amherdt M

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ISLETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre)  
DL/76AUG36

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

### Aminov Kha

[DIAGNOSTIC SIGNIFICANCE OF HYPERGLYCEMIC CURVES IN ATHEROSCLEROTIC PSYCHOSIS] Aminov Kha *Lab Delo* 443-4, 1975 (Rus) DL/76AUG219  
ARTERIOSCLEROSIS (blood); ATHEROSCLEROSIS (blood); BLOOD SUGAR (analysis); HUMAN; HYPERGLYCEMIA (diagnosis); PSYCHOSES, ORGANIC (blood).

### Amoro I

[CELL-MEDIATED IMMUNE RESPONSE IN JUVENILE DIABETES] Karmazsin L, Amoro I *Acta Paediatr Acad Sci Hung* 16: 317-26, 1975 (Ger) DL/76AUG417

### Ancil RJ

AUTOIMMUNITY AND VIRAL INFECTION IN DIABETES MELLITUS. Richens ER, Ancil RJ *Clin Exp Immunol* 23: 40-6, Jan 76 (Eng)  
DL/76AUG45

### Andeani D

GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN. Fallucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

### Andersen JT

ABNORMALITIES OF BLADDER INNERVATION IN DIABETES MELLITUS. Andersen JT, Bradley WE *Urology* 7: 442-8, Apr 76 (Eng)  
DL/76AUG356

ADOLESCENCE; ADULT; AGED; BLADDER (innervation); BLADDER (physiopathology); BLADDER, NEUROGENIC (physiopathology); CLINICAL RESEARCH; DEMYELINATION (physiopathology); DIABETES MELLITUS (complications); DIABETIC NEUROPATHIES (physiopathology); ELECTROMYOGRAPHY; ELECTROPHYSIOLOGY; FEMALE; HUMAN; MALE; MIDDLE AGE; MUSCLE CONTRACTION; NEURAL CONDUCTION; PERIPHERAL NERVES (physiopathology); URETHRA (innervation, physiopathology); URINARY INCONTINENCE (complications).

### Anderson HL

SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN—A REVIEW. Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE *Lipids* 11: 299-306, Apr 76 (Eng) [46]  
DL/76AUG237

### Anderson JW

METABOLIC ABNORMALITIES CONTRIBUTING TO DIABETIC COMPLICATIONS. II. PERIPHERAL NERVES. Anderson JW *Am J Clin Nutr* 29: 402-8, Apr 76 (Eng) [67]  
DL/76AUG427

ANIMAL EXPERIMENTS (analysis); AXONS (physiopathology); DIABETES MELLITUS (therapy); DIABETIC NEUROPATHIES (etiology, metabolism); DISEASE MODELS, ANIMAL; GLUCOSE (metabolism); HAMSTERS; HUMAN; HYPERGLYCEMIA (complications, prevention & control); INOSITOL (metabolism); LIPIDS (metabolism); NEURAL CONDUCTION; NEURONS (physiopathology); PERIPHERAL NERVE DISEASES (etiology); PERIPHERAL NERVES (pathology); RATS; REVIEW; SUGAR ALCOHOLS (metabolism).

### Anderson R

STUDIES ON THE ASYMMETRIC ARRANGEMENT OF MEMBRANE-LIPID-ENVELOPED VIRIONS AS A MODEL SYSTEM. Stoffel W, Anderson R, Stahl J *Hoppe Seylers Z Physiol Chem* 356: 1123-9, Jul 75 (Eng)  
\*DL/76AUG518

### Andersson A

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman J *J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151  
GLUCAGON (metabolism); GLUCOSE (pharmacodynamics); HUMAN; INSULIN (metabolism); ISLANDS OF LANGERHANS (drug effects, metabolism, ultrastructure); MICROSCOPY, ELECTRON; OXYGEN CONSUMPTION; TISSUE CULTURE.

### Andrejevic B

[COMA. HYPOGLYCAEMICUM POSTALCOHOLICUM] Andrejevic B *Lijec Vjesn* 97: 575-7, Nov 75 (Cro) DL/76AUG236

ADULT; AGED; ALCOHOLISM (complications); CHRONIC DISEASE; ENGLISH ABSTRACT; FEMALE; HUMAN; HYPOGLYCEMIA (etiology); INSULIN COMA (etiology); MALE; MIDDLE AGE.

# Andreoni G

[DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS] Andreoni G, Ragaglia G, Schiavi W, Bernaccino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578  
AGED; AMYLASE (blood); BLOOD SUGAR (analysis); CHRONIC DISEASE; GALLBLADDER DISEASES (diagnosis, enzymology); HUMAN; LIVER DISEASES (diagnosis, enzymology); MALE; MIDDLE AGE; PANCREATIC NEOPLASMS (diagnosis, enzymology); PANCREATITIS (diagnosis, enzymology).

# Andresen AR

LETTER: RETINAL EAR-LOBE CREASE AND DIABETIC RETINAL ANGIOPATHY. Andresen AR, Christiansen JS, Jensen JK *N Engl J Med* 294: 1182-3, 20 May 76 (Eng) DL/76AUG262

ADULT; AGED; DIABETIC ANGIOPATHIES (diagnosis); DIABETIC RETINOPATHY (diagnosis); EAR, EXTERNAL (anatomy & histology); FEMALE; HUMAN; MALE; MIDDLE AGE.

# Angielski S

EFFECTS OF MALEATE ON RENAL CARBOHYDRATE METABOLISM IN VIVO AND IN VITRO. Rogulski J, Strzelecki T, Pacanis A, Kaminska E, Angielski S *Curr Probl Clin Biochem* 4: 106-10, 1975 (Eng) \*DL/76AUG483

# Anisimova MI

[CERTAIN INDICATORS OF THE FUNCTIONAL STATE OF FETOPLACENTAL COMPLEX IN PREGNANCY COMPLICATED BY LATE TOXEMIA AND THREATENED ABORTION] Anisimova MI, Eiber NS, Kiriasova ZhR *Vopr Okhr Materin Det* 19: 62-6, Apr 74 (Rus) \*DL/76AUG860

ABORTION, THREATENED (metabolism); ENGLISH ABSTRACT; ESTRADIOL (metabolism); ESTROGENS (metabolism); FEMALE; FETUS (metabolism); HUMAN; PLACENTA (metabolism); PREGNANCY TOXEMIAS (metabolism); PREGNANCY TRIMESTER, THIRD; PREGNANCY.

# Ankov VK

[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH HYPOGLYCEMIA PROVOKED BY INSULIN] Kolebinov NK, Ankov VK, Pavlov DN *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

# Annable L

[EVALUATION BY MULTIPLE REGRESSION ANALYSIS OF THE CLINICAL CHARACTERISTICS OF A SAMPLE OF ADULT-ONSET DIABETICS] Jequier JC, Gagnon MA, Annable L *Union Med Can* 104: 935-43, Jun 75 (Fre) DL/76AUG355

# Anraku Y

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLI. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

ADENOSINE TRIPHOSPHATE (metabolism); AMINO ACIDS (metabolism); AZIDES (pharmacodynamics); BENZYLIDENE

COMPOUNDS (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); CARBONYL CYANIDE M-CHLOROPHENYL HYDRAZONE (pharmacodynamics); CHLOROMERCURIBENZOATES (pharmacodynamics); COMPARATIVE STUDY; DEOXYGLUCOSE (pharmacodynamics); ESCHERICHIA COLI (metabolism, enzymology); GLYCERIN (metabolism); GLYCEROLPHOSPHATE DEHYDROGENASE (metabolism); GLYCEROPHOSPHATES (metabolism); ISOLEUCINE (metabolism); LACTATE DEHYDROGENASE (metabolism); METHYLPHENAZONIUM METHOSULFATE (pharmacodynamics); ORGANOPHOSPHORUS COMPOUNDS (pharmacodynamics); OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN CONSUMPTION (drug effects); PROLINE (metabolism); SUCCINATE DEHYDROGENASE (metabolism); SUCCINATES (metabolism); UNCOUPLING AGENTS (pharmacodynamics); ZINC (pharmacodynamics).

# Anthony J

THE DEVELOPMENT OF A GLUCOSE CLAMP. Norwich KH, Fluker G, Anthony J, Popescu I, Pagurek B, Hetenyi G Jr *Metabolism* 24: 1221-30, Nov 75 (Eng) \*DL/76AUG744

# Antonov IuS

[EARLY DETECTION OF DIABETES MELLITUS IN ADULTS AND FACTORS OF INCREASED RISK OF ITS DEVELOPMENT] Antonov IuS, Khizhniak MI *Ter Arkh* 48: 114-9, 1976 (Rus) DL/76AUG349

ADULT; AGE FACTORS; AGED; DIABETES MELLITUS (diagnosis, etiology); GLUCOSE TOLERANCE TEST; HUMAN; MIDDLE AGE; OBESITY (complications); RISK; TIME FACTORS.

# Antonutto G

[AMYLOIDOSIS OF THE ISLANDS OF LANGERHANS AND ITS EFFECTS WITH REGARD TO THEIR CELLULAR COMPONENTS] Melato M, Antonutto G, Giarelli L, Miac M *Pathologica* 67: 109-18, Mar-Apr 75 (Ita) DL/76AUG288

# Aoki TT

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPLANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

ABDOMEN (blood supply); ADULT; AMINO ACIDS (blood); BLOOD CELLS (metabolism); BLOOD SUGAR (metabolism); DIETARY PROTEINS (metabolism); FATTY ACIDS, NONESTERIFIED (blood); FOREARM; GLUCAGON (metabolism); GLYCERIN (blood); HEPATIC VEINS; HUMAN; INSULIN (blood); LACTATES (blood); MALE; MUSCLES (metabolism); PLASMA (metabolism); PYRUVATES (blood); TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H. ).

# Apfelbaum M

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D *Ino Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188*

# Arakawa M

METABOLIC STUDIES ON THE DEVELOPMENT OF ETHANOL-INDUCED FATTY LIVER IN KK-A<sup>y</sup> MICE. Arakawa M, Taketomi S, Furuno K, Matsuo T, Iwatsuka H *J Nutr* 105: 1500-8, Dec 75 (Eng) \*DL/76AUG549

ACETATES (metabolism); ACETYL COA CARBOXYLASE (metabolism); ADIPOSE TISSUE (metabolism); ALCOHOL OXIDOREDUCTASES (metabolism); ALCOHOL, ETHYL (pharmacodynamics); ANIMAL EXPERIMENTS; ATP CITRATE LYASE (metabolism); CARBON DIOXIDE (metabolism); FATTY ACIDS, UNSATURATED (biosynthesis); FATTY LIVER (metabolism, chemically induced); LIPIDS (metabolism); MALE; MICE; PALMITATES (metabolism); PHOSPHATASES (metabolism); PHOSPHOTRANSFERASES, ATP (metabolism); TRIGLYCERIDES (biosynthesis).

# Archbold GP

RESPIRATION RATES AND ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: STATE 4-3-4 TRANSITION EXPERIMENTS. Archbold GP, Farrington CL, McKay AM, Malpress FH *Biochem Soc Trans* 3: 504-7, 1975 (Eng) \*DL/76AUG685

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (biosynthesis); ANIMAL; CATION EXCHANGE RESINS (pharmacodynamics); KINETICS; MEMBRANES (metabolism); MITOCHONDRIA, LIVER (metabolism, drug effects); MODELS, BIOLOGICAL; OXYGEN CONSUMPTION; RATS.

ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: CHANGE OF MEDIA AND THE STATE-4 JUMP. Archbold GP, Farrington CL, Malpress FH *Biochem Soc Trans* 3: 507-10, 1975 (Eng) \*DL/76AUG686

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (biosynthesis); ANIMAL; CATION EXCHANGE RESINS (pharmacodynamics); KINETICS; MEMBRANES (metabolism); MITOCHONDRIA, LIVER (metabolism); MODELS, BIOLOGICAL; POTASSIUM CHLORIDE (pharmacodynamics); RATS; SODIUM CHLORIDE (pharmacodynamics); SUCROSE (pharmacodynamics).

# Arcilla RA

EFFECT OF DIBUTYRYL CYCLIC AMP ON MYOCARDIAL PERFORMANCE IN VIVO. Cutilella AF, Lin CY, Thilenius OG, Arcilla RA *Recent Adv Stud Cardiac Struct Metab* 3: 251-9, 1973 (Eng) \*DL/76AUG794

# Arefeva AK

[EXPERIMENTAL STUDY OF MANGANESE CHLORIDE TOXICITY] Pashinskii VG, Tuzlukov AP, Rassokhin VM, Arefeva AK, Sedova KS *Farmakol Toksikol* 38: 618-20, Sep-Oct 75 (Rus) \*DL/76AUG680

# Armbruster KF

THE DIABETIC KIDNEY. Merkel FK, Straus AK, Armbruster KF, Lewis EJ *Compr Ther* 1: 40-8, May 75 (Eng) DL/76AUG56

# Armstrong B

MUOCARDIAL INFARCTION AND ESTROGEN THERAPY IN POST-MENOPAUSAL WOMEN. Rosenberg L, Armstrong B, Phil D, Jick H *N Engl J Med* 294: 1256-9, 3 Jun 76 (Eng) DL/76AUG267

# Armstrong CM

EVIDENCE FOR IONIC PORES IN EXCITABLE MEMBRANES. Armstrong CM *Biophys J* 15: 932-3, Sep 75 (Eng) \*DL/76AUG634  
AXONS (metabolism); BIOLOGICAL TRANSPORT; ELECTRIC CONDUCTIVITY;

## Diabetes Literature—Author Index

### Arnaud

IONS; MEMBRANE POTENTIALS; POTASSIUM (metabolism); SODIUM (metabolism); SQUID.

### Arnaud

[VALUE OF PYRIDINOL CARBAMATE IN OCULAR VASCULAR PATHOLOGY (ANGIOXINE)] Boudet, Millet, Arnaud *Bull Soc Ophthalmol Fr* 74: 977-80, Sep-Oct 74 (Fre) DL/76AUG35

### Aronow WS

TREADMILL EXERCISE TESTING OF MASS SCREENING FOR CORONARY RISK FACTORS. Allen WH, Aronow WS, De Cristofaro D *Cathet Cardiovasc Diagn* 2: 39-48, 1976 (Eng) DL/76AUG32

### Arora RB

SERUM LIPID LEVELS AND THEIR RELATIONSHIP WITH ISCHEMIC HEART DISEASE IN PIGS. Arora RB, Tayal G, Tariq M *Recent Adv Stud Cardiac Struct Metab* 3: 795-803, 1973 (Eng) \*DL/76AUG814  
AGE FACTORS; ANIMAL; AORTA (metabolism); CHOLESTEROL (blood; metabolism); CORONARY DISEASE (blood); CORONARY VESSELS (metabolism); LIPIDS (blood); MALE; PHOSPHOLIPIDS (blood); SWINE.

### Arosio G

[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275

### Arvia AJ

THE RESPONSE OF A BIOELECTROCHEMICAL CELL WITH SACCHAROMYCES CEREVISIAE METABOLIZING GLUCOSE UNDER VARIOUS FERMENTATION CONDITIONS. Videla HA, Arvia AJ *Bioelectrochem* 17: 1529-43, Oct 75 (Eng) \*DL/76AUG641

### Asano E

EFFECT OF AGING ON LIPID METABOLISM. Goto Y, Nakamura H, Hata Y, Asano E, Takeuchi I *Keio J Med* 24: 49-57, Apr 75 (Eng) \*DL/76AUG735

### Ashcroft SJ

STUDIES ON THE ROLE OF CALCIUM IONS IN THE STIMULATION BY ADRENALINE OF AMYLASE RELEASE FROM RAT PAROTID. Dormer RL, Ashcroft SJ *Biochem J* 144: 543-50, Dec 74 (Eng) \*DL/76AUG910

### Ashwell M

RESISTANCE TO SLIMMING: ADIPOSE TISSUE CELLULARITY STUDIES. Ashwell M, Priest P, Bondoux M, Garrow JS *Proc Nutr Soc* 34: 85a-86a, Sep 75 (Eng) \*DL/76AUG775  
ADIPOSE TISSUE (cytology); ADULT; AGE FACTORS; BIOPSY, NEEDLE; CELL COUNT; DIET, REDUCING; HUMAN; HYPERTROPHIA; LIPIDS (analysis); MIDDLE AGE; OBESITY (diet therapy).

### Assan R

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D *Int Schering LE, et al., ed. Chronobiology*. Tokyo, Igaku Shoin, 1974, Q1 167 C557 1971. (Eng) [28] DL/76AUG188

[LACTIC ACIDOSIS INDUCED BY BIGUANIDES] Assan R, Heuclin C, Girard JR, Attali JR *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297

ACIDOSIS (chemically induced); BIGUANIDES (adverse effects, therapeutic use); DIABETES MELLITUS (drug therapy); GLUCONEOGENESIS (drug effects); HUMAN; LACTATES (blood); PHENFORMIN (adverse effects, therapeutic use).

[LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN] Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298

### Assimacopoulos-Jeannet F

AN ANOMALY OF INSULIN REMOVAL IN PERFUSED LIVERS OF OBESE-HYPERGLYCEMIC (OB/OB) MICE. Karakash C, Assimacopoulos-Jeannet F, Jeanrenaud B *J Clin Invest* 57: 1117-24, May 76 (Eng) DL/76AUG148

DOES HYPERINSULINEMIA IN OB/OB MICE CAUSE AN INSULIN-STIMULATED ADIPOSE TISSUE. Loten EG, Le Marchand Y, Assimacopoulos-Jeannet F, Denton RM, Jeanrenaud B *Am J Physiol* 230: 602-7, Mar 76 (Eng) DL/76AUG437

### Astrug A

[CHANGES IN BLOOD COAGULATION IN DIABETIC NEPHROPATHY] Astrug A, Khristov L, Stamenova T *Vutr Boles* 14: 69-75, 1975 (Bul) DL/76AUG369  
ADULT; AGED; BLOOD COAGULATION TESTS; BLOOD COAGULATION; BLOOD PLATELETS (physiology); CHRONIC DISEASE; DIABETES MELLITUS (physiopathology); DIABETIC NEPHROPATHIES (physiopathology); ENGLISH ABSTRACT; FEMALE; HUMAN; MALE; MIDDLE AGE.

### Attali JR

[LACTIC ACIDOSIS INDUCED BY BIGUANIDES] Assan R, Heuclin C, Girard JR, Attali JR *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297

### Augusti KT

HYPOGLYCAEMIC EFFECTS OF ONION, ALLIUM CEPA LINN. ON DIABETES MELLITUS - A PRELIMINARY REPORT. Mathew PT, Augusti KT *Indian J Physiol Pharmacol* 19: 213-7, Oct-Dec 75 (Eng) DL/76AUG120

HYPOGLYCAEMIC ACTION OF BENGALENSIDE, A GLUCOSIDE ISOLATED FROM FICUS BENGALENSIS LINN. IN NORMAL AND ALLOXAN DIABETIC RABBITS. Augusti KT *Indian J Physiol Pharmacol* 19: 218-20, Oct-Dec 75 (Eng) DL/76AUG121

ALLOXAN DIABETES (blood); ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (analysis); COMPARATIVE STUDY; DEPRESSION, CHEMICAL; GLUCOSIDES (pharmacodynamics); GLYCOSIDES (pharmacodynamics); HYPOGLYCEMIC AGENTS; MALE; PLANT EXTRACTS (pharmacodynamics); RABBITS; TOLBUTAMIDE (pharmacodynamics).

### Aurora AL

A STUDY OF SUBCUTANEOUS STAPHYLOCOCCAL INFECTION IN ALLOXAN DIABETIC MICE. Sood U, Agarwal DS, Aurora AL *Indian J Med Res* 63: 1564-76, Nov 75 (Eng) DL/76AUG118

### Autuori F

BIOGENESIS OF MICROSOMAL MEMBRANE GLYCOPROTEINS IN RAT LIVER. II. PURIFICATION OF SOLUBLE GLYCOPROTEINS AND THEIR INCORPORATION INTO MICROSOMAL MEMBRANES. Autuori F, Svensson H, Dallner G *J Cell Biol* 67: 700-14, Dec 75 (Eng) \*DL/76AUG536

ANIMAL EXPERIMENTS; BROMIDES; CYTOSOL (metabolism); DEOXYCHOLIC ACID (pharmacodynamics); GLUCOSAMINE (metabolism); GLYCOPROTEINS (metabolism, isolation & purification, analysis); LEUCINE (metabolism); LIPOPROTEINS (analysis, metabolism); MALE; MEMBRANES (metabolism); MICROSOMES, LIVER (metabolism, ultrastructure, drug effects); POTASSIUM; PROTEINS (metabolism, analysis); RATS; SALIC ACIDS (metabolism); TEMPERATURE.

### Axelrod J

RAPID CHANGES IN RAT PINEAL BETA-ADRENERGIC RECEPTOR: ALTERATIONS IN L-(3H)ALPRENOLOL BINDING AND ADENYLATE CYCLASE. Kebabian JW, Zatz M, Romero JA, Axelrod J *Proc Natl Acad Sci USA* 72: 3735-9, Sep 75 (Eng) \*DL/76AUG766

### Axford RF

THE SYNERGISTIC EFFECT OF DIETARY CARBOHYDRATES ON THE PASSAGE OF AMINO ACIDS TO THE SMALL INTESTINE OF THE SHEEP. Offer NW, Evans RA, Axford RF *Proc Nutr Soc* 34: 67a-68a, Sep 75 (Eng) \*DL/76AUG770

### Aymar M

METABOLISM OF 14C-DEHYDROEPIANDROSTERONE IN FEMALE ADIPOSE TISSUE AND VENOUS BLOOD. Schindler AE, Aymar M *Endocrinol Exp (Bratisl)* 9: 215-22, Sep 75 (Eng) \*DL/76AUG668

### Azar M

AN EXAMPLE OF LYOPHILIZED PROTEIN-BASED MATERIALS NOT SIMULATING PATIENT SERA. Steele BW, Koehler DF, Blaszkowski TP, Azar M *Clin Chem* 21: 1812-4, Nov 75 (Eng) \*DL/76AUG659

### Azhar S

ADENOSINE 3:5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME. Azhar S, Menon KM *Eur J Biochem* 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674  
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ANIMAL; CATIONS, DIVALENT; CATTLE; CELL MEMBRANE (enzymology, drug effects); CORPUS LUTEUM (enzymology, drug effects); CYTOSOL (enzymology); DETERGENTS; ENZYME ACTIVATION (drug effects); FEMALE; KINETICS; PROTEIN KINASE (metabolism); RECEPTORS, DRUG; SOLUBILITY; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

### Azzi A

THE APPLICATION OF FLUORESCENT PROBES IN MEMBRANE STUDIES. Azzi A *Q Rev Biophys* 8: 237-316, May 75 (Eng) [242] \*DL/76AUG787

BINDING SITES; CATIONS, MONOVALENT; ELECTRON SPIN RESONANCE; ENERGY TRANSFER; MATHEMATICS; MEMBRANES (ultrastructure, analysis); MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; NUCLEAR MAGNETIC RESONANCE; REVIEW; SPECTROMETRY, FLUORESCENCE (methods); STRUCTURE-ACTIVITY RELATIONSHIP; TEMPERATURE; VISCOSITY; X-RAY DIFFRACTION.

### Baadenhuijsen H

AN IMPROVED SEMI-AUTOMATED METHOD FOR THE COLORIMETRIC DETERMINATION OF TRIGLYCERIDES IN SERUM. Demacker PN, van Oppenraay JB, Baadenhuijsen H



## Diabetes Literature—Author Index

Barlet JP

sen H, Jansen AP *Clin Chim Acta* 64: 45-50, 1 Oct 75 (Eng) \*DL/76AUG661

### Back KC

THE EFFECTS OF THREE VAPORIZABLE FIRE EXTINGUISHING AGENTS ON MYOCARDIAL METABOLISM AND CARDIOVASCULAR DYNAMICS IN THE ANESTHETIZED DOG. Van Stee EW, Harris AM, Horton ML, Back KC *Toxicol Appl Pharmacol* 34: 62-71, Oct 75 (Eng) \*DL/76AUG588

### Backman L

FATTY ACID PATTERNS OF SERUM TRIGLYCERIDES AND SUBCUTANEOUS ADIPOSE TISSUES AFTER ILEAL BYPASS IN OBESITY. Kallner A, Hallberg D, Backman L, Scand J Gastroenterol 10: 763-7, 1975 (Eng) \*DL/76AUG846

### Baetens D

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 282: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

[IMMUNOCYTOCHEMICAL IDENTIFICATION OF THE GLUCAGON-SECRETING CELLS IN GASTRIC MUCOSA] Baetens D, Rufener C, Unger RH, Renold AE, Orci L *C R Acad Sci [D] (Paris)* 282: 195-7, 12 Jan 76 (Fre) DL/76AUG39

ANIMAL EXPERIMENTS (analysis); DOGS; ENGLISH ABSTRACT; GASTRIC MUCOSA (cytology, secretion); GLUCAGON (secretion); IMMUNOCHEMISTRY; MICROSCOPY; ELECTRON; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

IDENTIFICATION OF GLUCAGON-PRODUCING CELLS (A CELLS) IN DOG GASTRIC MUCOSA. Baetens D, Rufener C, Srikant BC, Dobbs R, Unger R, Orci L *J Cell Biol* 69: 455-64, May 76 (Eng) DL/76AUG137

ANIMAL EXPERIMENTS (analysis); CYTOPLASMIC GRANULES (ultrastructure); DOGS; DUODENUM (cytology); FLUORESCENT ANTIBODY TECHNIC; GASTRIC MUCOSA (cytology); GLUCAGON (analysis); ILEUM (cytology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

### Bagdade JD

GLUCOCORTICOIDS AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPASE, AND PLASMA LIPOPROTEINS IN THE RAT. Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

ANIMAL EXPERIMENTS (analysis); CHOLESTEROL (blood); DEXAMETHASONE (pharmacodynamics); GLUCOSE (metabolism); HYPOLIPEMIA (metabolism); INSULIN (metabolism); LIPOPROTEIN LIPASE (metabolism); LIPOPROTEINS (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MALE; RATS; TRIGLYCERIDES (blood, metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

### Bahnson HT

THE USE OF EXPANDED MICROPOROUS POLYTETRAFLUOROETHYLENE FOR LIMB SALVAGE: A PRELIMINARY REPORT. Campbell CD, Brooks DH, Webster MW, Bahnson HT *Surgery* 79: 485-91, May 76 (Eng) DL/76AUG347

### Bailey E

HORMONAL CONTROL OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY DURING DEVELOPMENT OF THE RAT. Hauser CA, Bailey E *Enzyme* 21: 115-26, 1976 (Eng) DL/76AUG83

### Bake I

[A FURTHER CASE OF MALIGNANT HYPERTYREXIA AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IPROVERATRIL) (AUTHORS TRANSL)] Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446

### Baker RD

SUGAR TRANSPORT BY INTESTINE. ESCAPE OF GALACTOSE FROM PRELOADED MUCOSA OF HAMSTER JEJUNUM. Baker RD, Lo CS, Nunn AS *Biochim Biophys Acta* 401: 429-39, 2 Sep 75 (Eng) \*DL/76AUG625

ANAEROBIOSIS; ANIMAL; BIOLOGICAL TRANSPORT (drug effects); GALACTOSE (metabolism); HAMSTERS; INTESTINAL MUCOSA (metabolism, drug effects); JEJUNUM (metabolism, drug effects); MALE; PHLOPHIZIN (pharmacodynamics); SODIUM (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

### Bakhareva TP

[DETECTION AND PREVENTIVE MEDICAL EXAMINATION OF CHILDREN WITH A HEAVY HISTORY IN CONNECTION WITH DIABETES MELLITUS] Khodorovskaja IK, Bakhareva TP *Vopr Okhr Materin Det* 20: 87, Sep 75 (Rus) DL/76AUG365

### Balabolkin MI

[LEVEL OF SOMATOTROPIC HORMONES IN THE NEWBORN, THE PARTURIENT AND THE AMNIOTIC FLUID] Balabolkin MI, Ianshyna MN *Pediatr Akush Ginek* 37-9, Nov-Dec 75 (Ukr) \*DL/76AUG580

AMNIOTIC FLUID (analysis); FEMALE; HUMAN; INFANT, NEWBORN; MALE; PLACENTA (analysis); SOMATOTROPIN (analysis, blood).

### Balasse E

[LIPOATROPHIC DIABETES] de Dobbeleer G, Dive M, Balasse E *Arch Belg Dermatol* 30: 107-9, Apr-Jun 74 (Fre) DL/76AUG453

### Balasubramaniam V

ACID INHIBITOR IN INSULIN TEST: A PRELIMINARY REPORT. Venkataraman MS, Balasubramaniam V, Kanaka TS, Nanjunda Rao R *Indian J Physiol Pharmacol* 19: 207-12, Oct-Dec 75 (Eng) DL/76AUG119

### Baligadoo S

[USE OF DOPAMINE IN THE TREATMENT OF CARDIOGENIC SHOCK. PRELIMINARY RESULTS] Chiche P, Baligadoo S *Ann Anesthesiol Fr* 16: 705-10, Dec 75 (Fre) DL/76AUG448

### Ballard K

THE RESPONSE OF BLOOD FLOW TO ALTERED PERFUSION PRESSURE IN CANINE ADIPOSE TISSUE. Ballard K, Aliopoulos JC *Proc Soc Exp Biol Med* 150: 65-70, Oct 75 (Eng) \*DL/76AUG780

ADIPOSE TISSUE (blood supply); ANIMAL; BLOOD FLOW VELOCITY; BLOOD PRESSURE; DENERVATION; DOGS; FEMALE; MALE; REGIONAL BLOOD FLOW; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Balls M

HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIBIA MEANS

LIVER IN ORGAN CULTURE. Brown D, Fleming N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

### Baltac C

[EARLY ADAPTATION OF PREMATURE INFANTS (HEMATOLOGICAL AND BIOCHEMICAL ASPECTS)] Rusu O, Bulat E, Iorgulescu M, Deciu L, Baltac C, Kloss D *Rev Pediatr Obstet Ginecol [Pediater]* 24: 37-47, Jan-Mar 75 (Rum) \*DL/76AUG840

### Banauch D

[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL)] Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

ALCOHOL OXIDOREDUCTASES (isolation & purification); AUTOANALYSIS; BACILLUS MEGATERIUM (enzymology); BLOOD SUGAR (analysis); CARBOHYDRATE ISOMERASES; COLORIMETRY; COMPARATIVE STUDY; ENGLISH ABSTRACT; GLUCOSE (analysis); HUMAN; KINETICS; METHODS; NADH, NADPH OXIDOREDUCTASES; SPECTROPHOTOMETRY, ULTRAVIOLET.

### Bandisole MS

CLINICAL EVALUATION OF A NEW SULFONYLUREA IN MATURITY ONSET DIABETES - GLIPIZIDE (K-4024). Bandisole MS, Boshell BR *Horm Metab Res* 8: 89-91, Mar 76 (Eng) DL/76AUG114

ADULT; AGED; CHLORPROPAMIDE (therapeutic use); CLINICAL RESEARCH; DIABETES MELLITUS (drug therapy); DOSE-RESPONSE RELATIONSHIP, DRUG; DRUG EVALUATION; DRUG THERAPY, COMBINATION; FOLLOW-UP STUDIES; GLIPIZIDE (therapeutic use); HUMAN; MIDDLE AGE; PHENFORMIN (therapeutic use); SULFONYLUREA COMPOUNDS (therapeutic use); TOLBUTAMIDE (therapeutic use).

### Bangham DR

RADIOIMMUNOASSAY AND SATURATION ANALYSIS. STANDARDIZATION AND STANDARDS. Bangham DR, Cotes PM *Br Med Bull* 30: 12-7, Jan 74 (Eng) \*DL/76AUG642

HORMONES (analysis); RADIOIMMUNOASSAY (standards); RADIOLOGAND ASSAY (standards).

### Barakat H

CHANGES IN MUSCLE MITOCHONDRIAL LIPID COMPOSITION RESULTING FROM TRAINING AND EXHAUSTIVE EXERCISE. Dohm GL, Barakat H, Stephenson TP, Pennington SN, Tapscott EB *Life Sci* 17: 1075-80, 10 Oct 75 (Eng) \*DL/76AUG574

### Bardsley D

PANCREATIC ISCHAEMIA: SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

### Barford NM

[FLUIDITY OF THE CELL SURFACE] Larsen B, Barford NM *Ugeskr Laeger* 137: 2633-5, 3 Nov 75 (Dan) \*DL/76AUG857

### Barlet JP

[PLASMA CALCITONIN LEVELS AND METABOLIC EFFECTS OF PORCINE CALCITONIN IN NEWBORN LAMBS (AUTHORS TRANSL)] Barlet JP, Michel MC, Theriez M, Savajol H, Garel JM *J Physiol (Paris)* 68: 519-29, 1974 (Fre) \*DL/76AUG554

ADMINISTRATION, ORAL; AMINO ACIDS (blood); ANIMAL EXPERIMENTS; ANIMAL

## Diabetes Literature—Author Index

### Barna K

NUTRITION; ANIMALS, NEWBORN (physiology); BLOOD SUGAR (analysis); CALCITONIN (blood, pharmacodynamics, administration & dosage); CALCIUM (pharmacodynamics, blood); COLOSTRUM (blood); GASTRIN (pharmacodynamics); INJECTIONS, INTRAVENOUS; LIPIDS (blood); MALE; SHEEP (physiology).

### Barna K

THE INFLUENCE OF ROLITETRACYCLINE UPON SOME METABOLIC PARAMETERS OF RABBIT HEART MUSCLE. Belova V, Barnova E, Barna K *Biochem Pharmacol* 24: 1875-7, 15 Oct 75 (Eng) \*DL/76AUG918

### Barnard GD

LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES; USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879

### Barner HB

VASCULITIS IN MATURITY-ONSET DIABETES MELLITUS. Barner HB *JAMA* 235: 2495, 7 Jun 76 (Eng) DL/76AUG208  
ADULT; ATHEROSCLEROSIS (complications); CORONARY VESSELS (surgery); DIABETES MELLITUS (complications); DIABETIC ANGIOPATHIES (complications); HUMAN; INFLAMMATION (complications); LEG (blood supply); VASCULAR SURGERY.

### Barnes AJ

LETTER: DIABETES WITHOUT GLUCAGON. Barnes AJ, Bloom SR, Alford FP, Russell RC *Lancet* 1: 967, 1 May 76 (Eng) DL/76AUG232  
BLOOD SUGAR (analysis); CASE REPORT; DIABETES MELLITUS (blood); GLUCAGON (blood, physiology); HUMAN; MALE.

### Barnes HV

AN APPROACH TO THE OBESE ADOLESCENT. Barnes HV, Berger R *Med Clin North Am* 59: 1507-16, Nov 75 (Eng) \*DL/76AUG741  
ADOLESCENCE; BEHAVIOR MODIFICATION; DIAGNOSIS, DIFFERENTIAL; DIET, REDUCING; HUMAN; OBESITY (diagnosis, metabolism, therapy).

### Barnes LD

GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA. Mulvehill JB, Hui YS, Barnes LD, Palumbo PJ, Dousa TP *J Clin Endocrinol Metab* 42: 380-4, Feb 76 (Eng) DL/76AUG143

### Barnhorst DA

THE CONTROL OF ENERGY PRODUCTION AND UTILIZATION IN CARDIAC MUSCLE. Olson RE, Barnhorst DA *Recent Adv Stud Cardiac Struct Metab* 3: 11-30, 1973 (Eng) \*DL/76AUG788

### Barnova E

THE INFLUENCE OF ROLITETRACYCLINE UPON SOME METABOLIC PARAMETERS OF RABBIT HEART MUSCLE. Belova V, Barnova E, Barna K *Biochem Pharmacol* 24: 1875-7, 15 Oct 75 (Eng) \*DL/76AUG918

### Barta I

SUGAR METABOLISM IN OBESE CHILDREN. Barta I, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414  
ADOLESCENCE; AGE FACTORS; BLOOD SUGAR (metabolism); CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS,

JUVENILE (blood, diagnosis); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (blood); MALE; OBESITY (blood, diagnosis); PREDIABETIC STATE (blood, diagnosis).

### Bartak V

JUVENILE DIABETES AND HUMAN SPERM QUALITY. Bartak V, Josifko M, Horackova M *Int J Fertil* 20: 30-2, 1975 (Eng) DL/76AUG123  
ADOLESCENCE; ADULT; CELL COUNT; DIABETES MELLITUS, JUVENILE; HUMAN; MALE; SPERM MOTILITY; SPERMATOZOA (cytology).

### Bartlett M

ESTIMATION OF THE CAPILLARY PERMEABILITY COEFFICIENTS OF INULIN IN VARIOUS TISSUES OF THE RABBIT. Wittmers LE Jr, Bartlett M, Johnson JA *Microvasc Res* 11: 67-78, Jan 76 (Eng) DL/76AUG248

### Bartos S

EFFECT OF CATECHOLAMINES ON THE METABOLISM OF GLUCOSE, FATTY ACIDS AND ON THE HEART RATE IN GOATS [Bartos S, Dolezel F, Kolbl M *Vet Med (Praha)* 20: 289-301, May 75 (Cze) \*DL/76AUG591  
ANIMAL EXPERIMENTS; BLOOD SUGAR; CATECHOLAMINES (pharmacodynamics); ENERGY METABOLISM (drug effects); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); GOATS (metabolism, physiology); HEART RATE (drug effects).

EFFECT OF EPINEPHRINE ON ADIPOSE TISSUE METABOLISM IN GOATS. Bartos S, Dolezel F, Jukl A *Endocrinol Exp (Bratisl)* 9: 229-38, Sep 75 (Eng) \*DL/76AUG669  
ACETATES (metabolism); ADIPOSE TISSUE (metabolism, drug effects); ANIMAL; CARBON RADIOISOTOPES; DOSE-RESPONSE RELATIONSHIP, DRUG; EPINEPHRINE (pharmacodynamics); FATTY ACIDS (biosynthesis); FATTY ACIDS, NONESTERIFIED (metabolism); GLUCOSE (metabolism); GOATS (metabolism); HYDROXYBUTYRATES (pharmacodynamics); LIPID MOBILIZATION (drug effects); MALE.

### Bartsch R

[STUDY ON THE CHRONIC TOXICITY OF 1-(4-CYCLOHEXYLUREIDOPHENOXY)-2-HYDROXY-3-TERT-BUTYLAMINOPROPANE (TALINOLOL, COR-DANUM, 02-115) IN THE RAT AND THE BEA-GL] Bartsch R, Merbt EM, Riedel H *Pharmazie* 30: 659-68, Oct 75 (Ger) \*DL/76AUG583  
ADRENERGIC BETA RECEPTOR BLOCKADERS (toxicity, administration & dosage); ALANINE AMINOTRANSFERASE (blood); ALKALINE PHOSPHATASE (blood); ANIMAL EXPERIMENTS; ASPARTATE AMINOTRANSFERASE (blood); BLOOD CELL COUNT; BLOOD SUGAR (metabolism); BODY WEIGHT (drug effects); DOGS; DOSE-RESPONSE RELATIONSHIP, DRUG; ENDOCRINE GLANDS (drug effects); FEMALE; HEART (drug effects); HEMOGLOBINOMETRY; LUNG (drug effects); MALE; PROPANOLAMINES (toxicity, administration & dosage); RATS; SPLEEN (drug effects).

### Barwinsky J

ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART. Dhalla NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Cardiac Struct Metab* 3: 177-87, 1975 (Eng) \*DL/76AUG831

### Baskin SI

CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC ACTION AND BINDING TO AND DISSOCIATION

FROM NA<sup>+</sup>-K<sup>+</sup>-ACTIVATED ATPASE IN VITRO. Akera T, Baskin SI, Tobin T, Brody TM *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG818

### Bassett AL

ROLE OF NA<sup>+</sup>-K<sup>+</sup>-ACTIVATED ADENOSINE TRIPHOSPHATASE IN THE TRANSMEMBRANE TRANSPORT OF K<sup>+</sup> AND NA<sup>+</sup>: RELATIONSHIPS TO THE INOTROPIC AND ELECTROPHYSIOLOGIC EFFECTS OF DIGITALIS. Ten Eick RE, Bassett AL, Okita GT *Recent Adv Stud Cardiac Struct Metab* 4: 107-17, 1974 (Eng) \*DL/76AUG816

### Bassham JA

SELECTIVE INHIBITION OF THE FACILITATED MODE OF SUGAR UPTAKE BY CYTOCHALASIN B IN CULTURED CHICK FIBROBLASTS. Dolberg DS, Bassham JA, Bissell MJ *Exp Cell Res* 96: 129-37, Nov 75 (Eng) \*DL/76AUG498

### Bataille D

[HETEROGENEITY OF PROTEIN HORMONES IN RADIOIMMUNOASSAY] Rosselin G, Bataille D, Laburthe M, Duran-Garcia S *Pathol Biol (Paris)* 23: 793-803, Dec 75 (Fre) DL/76AUG282

### Bates MW

EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT. Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240  
ANIMAL EXPERIMENTS (analysis); AORTA; BLOOD SUGAR (metabolism); FASTING; FATTY ACIDS, NONESTERIFIED (blood, metabolism); INFUSIONS, PARENTERAL; INSULIN (blood, pharmacodynamics); KETONE BODIES (blood, metabolism); LIVER (metabolism); LUNG (metabolism); MALE; OLEIC ACIDS (administration & dosage, pharmacodynamics); RATS; TAIL; UNITED STATES GOVERNMENT SUPPORTED, N.H.).

### Bauer H

[RECURRENT ULCER FOLLOWING VAGOTOMY: COMPLETION OF VAGOTOMY OR RESECTION (AUTHORS TRANSL.)] Bauer H, Holle F *Munch Med Wochenschr* 118: 453-6, 9 Apr 76 (Ger) DL/76AUG260  
ENGLISH ABSTRACT; GASTRECTOMY (methods); GASTRIC JUICE (analysis); GASTRIN (blood); GASTROSCOPY; GLUCAGON (diagnostic use); HUMAN; HYPERPARATHYROIDISM (complications); INSULIN (diagnostic use); PEPTIC ULCER (diagnosis, etiology, surgery); RECURRENCE; VAGOTOMY (methods); ZOLLINGER-ELLISON SYNDROME (complications, metabolism).

### Baumann K

EFFECT OF PARATHYROID HORMONE ON RENAL TUBULAR FLUID AND GLUCOSE REABSORPTION. Baumann K, Chan YL, Bode F, Papavassiliou F, Wagner M *Curr Probl Clin Biochem* 4: 223-8, 1975 (Eng) \*DL/76AUG488  
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; DIBUTYRYL CYCLIC AMP (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; ELECTROLYTES (metabolism); GLUCOSE (metabolism); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); KIDNEY TUBULES, PROXIMAL (metabolism); MALE; PARATHYROID HORMONE (pharmacodynamics); RATS.  
REABSORPTION OF D-GLUCOSE FROM VARIOUS REGIONS OF THE RAT PROXIMAL CONVOLUTED TUBULE: EVIDENCE THAT THE PROXIMAL CONVOLUTION IS NOT

**HOMOGENEOUS.** Bode F, Chan YL, Goldner AM, Papavasiliou F, Wagner M, Baumann K *Curr Probl Clin Biochem* 4: 39-43, 1975 (Eng) \*DL/76AUG490

#### Baumann L

**CATABOLISM OF D-FRUCTOSE AND D-RIBOSE BY PSEUDOMONAS DOUDOROFFII. II. PROPERTIES OF 1-PHOSPHOFRUCTOKINASE AND 6-PHOSPHOFRUCTOKINASE.** Baumann L, Baumann P *Arch Microbiol* 105: 241-8, 7 Nov 75 (Eng) \*DL/76AUG903

**ADENOSINE TRIPHOSPHATE** (pharmacodynamics); **ALLOSTERIC REGULATION; AMMONIUM COMPOUNDS** (pharmacodynamics); **ENZYME ACTIVATION; FRUCTOSEPHOSPHATES; KINETICS; MAGNESIUM** (pharmacodynamics); **PHILIPPINES; PHOSPHOENOLPYRUVATE** (pharmacodynamics); **PHOSPHOFRUCTOKINASE** (metabolism, isolation & purification); **POTASSIUM** (pharmacodynamics); **PSEUDOMONAS** (enzymology, drug effects); **UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.**

#### Baumann P

**CATABOLISM OF D-FRUCTOSE AND D-RIBOSE BY PSEUDOMONAS DOUDOROFFII. II. PROPERTIES OF 1-PHOSPHOFRUCTOKINASE AND 6-PHOSPHOFRUCTOKINASE.** Baumann L, Baumann P *Arch Microbiol* 105: 241-8, 7 Nov 75 (Eng) \*DL/76AUG903

#### Baumeister G

**[HYPERINSULINISM. NEUROLOGICAL AND PSYCHIATRIC ASPECTS (AUTHORS TRANSL.)]** Matz D, Enders P, Baumeister G *J Neurol* 212: 177-82, 23 Apr 76 (Ger) DL/76AUG198

#### Bayless TM

**INTOLERANCE OF EIGHT OUNCES OF MILK IN HEALTHY LACTOSE-INTOLERANT TEEN-AGERS.** Mitchell KJ, Bayless TM, Paige DM, Goodgame RW, Huang SS *Pediatrics* 56: 718-21, Nov 75 (Eng) \*DL/76AUG581

#### Beaven DW

**OBESITY IN A NEW ZEALAND COMMUNITY.** Benson-Cooper D, Bird D, Laing JK, Hannah EE, Carrell RW, Beaven DW *NZ Med J* 82: 115-9, 27 Aug 75 (Eng) \*DL/76AUG754

#### Beck JC

**ENERGETICS OF THE NA<sup>+</sup>-DEPENDENT TRANSPORT OF D-GLUCOSE IN RENAL BRUSH BORDER MEMBRANE VESICLES.** Beck JC, Sacktor B *J Biol Chem* 250: 8674-80, 25 Nov 75 (Eng) \*DL/76AUG715

**ANIMAL EXPERIMENTS; ANIONS; BIOLOGICAL TRANSPORT, ACTIVE; CELL MEMBRANE** (metabolism, drug effects); **GLUCOSE** (metabolism); **GRAMICIDINS** (pharmacodynamics); **KIDNEY TUBULES, PROXIMAL** (metabolism, drug effects); **MANNITOL** (metabolism); **MODELS, BIOLOGICAL; NIGERICIN** (pharmacodynamics); **OSMOLAR CONCENTRATION; RABBITS; SODIUM** (pharmacodynamics); **VALINOMYCIN** (pharmacodynamics).

#### Beckmann J

**INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLOC-AMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS.** Joost HG, Beckmann J, Lenzen S, Haselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407

**14C-GLUCOSE AND 35S-METABOLISM OF PIG EPIPHYSIAL CARTILAGE AND ITS VARI-**

**TIONS AFTER OSTEOTOMY.** Beckmann J, Rodegerdts U, Buddecke E *J Bone Joint Surg [Br]* 57: 506-10, Nov 75 (Eng) \*DL/76AUG535

**ANIMAL EXPERIMENTS; CARBON DIOXIDE** (biosynthesis); **CARTILAGE** (metabolism, surgery); **CARTILAGE, ARTICULAR** (metabolism, surgery); **COMPARATIVE STUDY; EPIPHYSES** (metabolism, surgery); **GLUCOSE** (metabolism); **GLYCOSAMINOGLYCANS** (metabolism); **KINETICS; LACTATES** (biosynthesis); **OSTEOTOMY; SULFUR RADIOISOTOPES** (metabolism); **SWINE; ULNA** (metabolism, surgery).

#### Beda M

**[STUDY OF THE METABOLIC EFFECT OF MISCLERON (CLOFIBRATE) IN ANIMAL EXPERIMENTS]** Kramer M, Bedo M, Blaskovits A, Gefferth G, Tarjan R *Orv Hetil* 116: 2774-8, 23 Nov 75 (Hun) \*DL/76AUG579

#### Begovich JM

**FACTORS INFLUENCING EVAPORATION FROM SAMPLE CUPS AND ASSESSMENT OF THEIR EFFECT ON ANALYTICAL ERROR.** Burtis CA, Begovich JM, Watson JS *Clin Chem* 21: 1907-17, Dec 75 (Eng) \*DL/76AUG479

#### Bekkouzhin AG

**TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. I. ISOLATION AND GENERAL CHARACTERISTICS.** Fedotov NS, Panchenko IF, Logachev AP, Bekkouzhin AG, Tarshis MA *Folia Microbiol (Praha)* 20: 470-9, 1975 (Eng) \*DL/76AUG512

#### Beli PS

**BUTANEDIOL AND LIPID METABOLISM.** Romosos DR, Belo PS, Leveille GA *Fed Proc* 34: 2186-90, Nov 75 (Eng) \*DL/76AUG683

#### Belocipitow E

**GLYCOSYL TRANSFER TO AN ACCEPTOR LIPID FROM INSECTS.** Quesada Allue LA, Belocipitow E, Marechal LR *Biochem Biophys Res Commun* 66: 1201-8, 27 Oct 75 (Eng) \*DL/76AUG915

#### Belova V

**THE INFLUENCE OF ROLITETRACYCLINE UPON SOME METABOLIC PARAMETERS OF RABBIT HEART MUSCLE.** Belova V, Barnova E, Barna K *Biochem Pharmacol* 24: 1875-7, 15 Oct 75 (Eng) \*DL/76AUG918

**ANIMAL; BLOOD SUGAR** (analysis); **DEPRESSION, CHEMICAL; FEMALE; GLUCOSE** (metabolism); **GLYCOGEN** (metabolism); **GLYCOLYSIS** (drug effects); **IN VITRO; LACTATES** (metabolism); **MITOCHONDRIA, MUSCLE** (metabolism); **MYOCARDIUM** (metabolism); **OXYGEN CONSUMPTION** (drug effects); **PHOSPHATES, INORGANIC** (metabolism); **RABBITS; ROLITETRACYCLINE** (pharmacodynamics).

#### Bena A

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#### Bendezu R

**CERTAIN METABOLIC CONSEQUENCES OF JEJUNOILEAL BYPASS.** Bendezu R, Wieland RG, Green SG, Hallberg MC, Marsters RW *Am J Clin Nutr* 29: 366-70, Apr 76 (Eng) DL/76AUG426

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#### Bengtsson SG

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#### Bennett T

**BAROREFLEX SENSITIVITY AND RESPONSES TO THE VALSALVA MANOEUVRE IN SUBJECTS WITH DIABETES MELLITUS.** Bennett T, Hosking DJ, Hampton JR *J Neurol Neurosurg Psychiatry* 39: 178-83, Feb 76 (Eng) DL/76AUG194

**ADULT; AGED; BLOOD PRESSURE** (drug effects); **DIABETES MELLITUS** (physiopathology); **FEMALE; HEART RATE** (drug effects); **HUMAN; MALE; MIDDLE AGE; PHENYLEPHRINE** (pharmacodynamics); **PRESSORECEPTORS** (physiopathology); **REFLEX; VALSALVA MANEUVER.**

#### Bennun A

**POSTSYNTHETIC STABILIZED MODIFICATION OF ADENYLATE CYCLASE BY METABOLITES.** Brydon-Golz S, Bennun A *Biochem Soc Trans* 3: 721-4, 1975 (Eng) \*DL/76AUG505

#### Benson-Cooper D

**OBESITY IN A NEW ZEALAND COMMUNITY.** Benson-Cooper D, Bird D, Laing JK, Hannah EE, Carrell RW, Beaven DW *NZ Med J* 82: 115-9, 27 Aug 75 (Eng) \*DL/76AUG754

**ADULT; AGE FACTORS; AGED; BLOOD PROTEINS** (analysis); **BLOOD SUGAR** (analysis); **BODY HEIGHT; BODY WEIGHT; FAMILY CHARACTERISTICS; FEMALE; HUMAN; MALE; MARRIAGE; MIDDLE AGE; NEW ZEALAND; OBESITY** (occurrence, blood); **OCCUPATIONS; SEX FACTORS; URIC ACID** (blood).

#### Berdanier CD

**EFFECT OF POLYCHLORINATED BIPHENYLS AND THIAMIN DEFICIENCY ON LIVER METABOLISM IN GROWING RATS.** Berdanier CD, Tobin RB, Nielsen RC, Mehman MA, Veech RL *J Toxicol Environ Health* 1: 91-105, Sep 75 (Eng) \*DL/76AUG732

**ANIMAL; BLOOD SUGAR** (metabolism); **CYTOPLASM** (metabolism); **DIET; FATTY ACIDS, NONESTERIFIED** (blood); **FEEDING BEHAVIOR** (drug effects); **GLYCOLYSIS** (drug effects); **KREBS CYCLE** (drug effects); **LIPIDS** (metabolism); **LIVER** (metabolism, drug effects); **MALE; MITOCHONDRIA, LIVER** (metabolism); **OXIDATION-REDUCTION; OXIDATIVE PHOSPHORYLATION** (drug effects); **PHOSPHATES** (metabolism); **POLYCHLOROBIPHENYL COMPOUNDS** (pharmacodynamics); **RATS; THIAMINE DEFICIENCY** (metabolism).

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### Berdanier CD

#### Berde B

PROCEEDINGS: THE EFFECTS OF CYPROHEPTADINE PRETREATMENT ON INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS. Richardson BP, Berde B *Br J Pharmacol* 56: 356p-357p, Mar 76 (Eng) DL/76AUG11

#### Berg G

[METABOLIC EFFECT OF A CARBOHYDRATE COMBINATION DURING SIMULTANEOUS AMINO ACID INFUSION] Berg G, Matzies F, Heid H, Fekl W *Z Ernahrungswiss* 14: 163-74, Sep 75 (Ger) DL/76AUG379

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#### Berg K

FURTHER EVIDENCE FOR THE EXISTENCE OF GENETICALLY DETERMINED METABOLIC DIFFERENCES BETWEEN LP(A&) AND LP(A-) INDIVIDUALS. Dahlen G, Berg K *Clin Genet* 9: 357-64, Mar 76 (Eng) DL/76AUG44

A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS. Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

LP(ALPHA) LIPOPROTEIN AND PRE-BETA-LIPOPROTEIN IN RELATION TO LIPID LEVELS IN MALES. Dahlen G, Berg K, Ericson C, Noer G *Acta Med Scand* 198: 263-7, Oct 75 (Eng) \*DL/76AUG877

#### Bergamini E

EARLY EFFECTS OF THE ADMINISTRATION OF STREPTOZOTOCIN ON MUSCLE GLYCOGEN. De Paoli AA, Masiello P, Bergamini E *Biochem Pharmacol* 25: 933-5, 15 Apr 76 (Eng) DL/76AUG469

#### Berger M

[EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL)] Sailer R, Katoh E, Druneklee D, Kovacicsek S, Berger M *Munch Med Wochenschr* 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

#### Berger PE

FAT THICKNESS IN THE NEONATAL SMALL LEFT COLON SYNDROME. Kuhns LR, Berger PE, Poznanski AK, Holt JF *Am J Roentgenol* 126: 538-41, Mar 76 (Eng) DL/76AUG441

#### Berger S

AN APPROACH TO THE OBESE ADOLESCENT. Barnes HV, Berger R *Med Clin North Am* 59: 1507-16, Nov 75 (Eng) \*DL/76AUG741

#### Bergeron M

MEMBRANE PERMEABILITY AS A CAUSE OF TRANSPORT DEFECTS IN EXPERIMENTAL FANCONI SYNDROME. A NEW HYPOTHESIS. Bergeron M, Dubord L, Hausser C, Schwab C *J Clin Invest* 57: 1181-9, May 76 (Eng) DL/76AUG150

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#### Bergman EN

STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE. Brockman RP, Bergman EN, Pollak WL, Brondum J *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24

#### Bergren WR

MANNITOL EXCRETION IN GALACTOSEMIA PATIENTS. Ng WG, Donnell GN, Bergren WR *Clin Chim Acta* 64: 39-44, 1 Oct 75 (Eng) \*DL/76AUG660

#### Berkman RA

[PARTICIPATION OF THE SMALL INTESTINE IN CARBOHYDRATE METABOLISM] Berkman RA, Iatsenko IV *Fiziol Zh SSSR* 61: 1697-1703, Nov 75 (Rus) \*DL/76AUG500

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#### Berkson DM

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhombert P, Dyer A, Berkson DM, Reedus W, Wannamaker J *J Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

#### Berlin RD

MEMBRANE TRANSPORT OF PURINE AND PYRIMIDINE BASES AND NUCLEOSIDES IN ANIMAL CELLS. Berlin RD, Oliver JM *Int Rev Cytol* 42: 287-336, 1975 (Eng) [122] \*DL/76AUG520

ADENINE PHOSPHORIBOSYLTRANSFERASE (metabolism); ADENINE (metabolism); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE (metabolism); ANIMAL EXPERIMENTS; BINDING SITES; BINDING, COMPETITIVE; BIOLOGICAL TRANSPORT, ACTIVE; BLOOD CELLS (metabolism, enzymology); BLOOD; CELL DIVISION; CELL LINE; CELL MEMBRANE (metabolism); HYPOXANTHINES (metabolism); INTESTINAL MUCOSA (metabolism); KINETICS; LIPIDS (pharmacodynamics); NUCLEOSIDES (metabolism); PHOSPHORUS (metabolism); PURINES (metabolism); PYRIMIDINES (metabolism); REVIEW; STRUCTURE-ACTIVITY RELATIONSHIP; TEMPERATURE; THYMIDINE (metabolism); URIC ACID (metabolism); URIDINE (metabolism).

#### Bernaccino C

[DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS] Andreoni G, Ragaglia G, Schiavi W, Bernaccino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578

#### Bernardis LL

SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES. Bernardis LL, Goldman JK, Chlouvarakis C, Frohman LA *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205

ADIPOSE TISSUE (metabolism); ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR

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#### Berne C

DETERMINATION OF D-3-HYDROXYBUTYRATE DEHYDROGENASE IN MOUSE PANCREATIC ISLETS WITH A PHOTOKINETIC TECHNIQUE USING BACTERIAL LUCIFERASE. Berne C *Enzyme* 21: 127-36, 1976 (Eng) DL/76AUG84

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#### Berns DS

MODIFICATION OF INTENSITY AND DIRECTION OF ELECTRON FLOW ACROSS BILAYER MEMBRANES. Chen CH, Berns DS *Proc Natl Acad Sci USA* 72: 3407-11, Sep 75 (Eng) \*DL/76AUG762

#### Bersani G

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

#### Bersohn I

LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES: USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG79

#### Bertazzoni A

POTENTIATION OF HYPOGLYCEMIC RESPONSE TO INTRAVENOUS TOLBUTAMIDE BY CLOFIBRATE. Ferrari C, Frezzati S, Testori GP, Bertazzoni A *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG265

#### Berthezene F

[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS] Durand N, Berthezene F, Girod C *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650

#### Bertolini MG

DIURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113

#### Besch HR Jr

THE RELATIONSHIP BETWEEN ADENOSINE 3,5-MONOPHOSPHATE LEVELS AND SYSTOLIC TRANSMEMBRANE CALCIUM FLUX. Watanabe AM, Besch HR Jr *Recent Adv Stud Cardiac Struct Metab* 5: 95-102, 1975 (Eng) \*DL/76AUG837



## Besser GM

**PROLACTIN AND GONADAL FUNCTION.** Besser GM, Thorner MO *Pathol Biol (Paris)* 23: 779-82, Dec 75 (Eng) DL/76AUG281  
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## Betz AL

**ACCELERATIVE EXCHANGE DIFFUSION KINETICS OF GLUCOSE BETWEEN BLOOD AND BRAIN AND ITS RELATION TO TRANSPORT DURING ANOXIA.** Betz AL, Gilboe DD, Drewes LR *Biochim Biophys Acta* 401: 416-28, 2 Sep 75 (Eng) \*DL/76AUG624  
ANIMAL; ANOXIA (metabolism); BLOOD SUGAR (metabolism); BLOOD-BRAIN BARRIER; BRAIN (metabolism); COMPARATIVE STUDY; DIFFUSION; DOGS; GLUCOSE (metabolism); KINETICS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

## Bhan AK

**EFFECT OF PHYSICAL CONDITIONING UPON METABOLISM AND PERFORMANCE OF THE RAT HEART.** Scheuer J, Penpargkul S, Bhan AK *Recent Adv Stud Cardiac Struct Metab* 3: 145-59, 1973 (Eng) \*DL/76AUG789

## Bhatnagar R

**MASKING OF PLEOMORPHIC GLYCOGEN SITES BY METHANOLIC URANYL ACETATE.** Bhatnagar R, Leeson TS *Stain Technol* 50: 213-7, Jul 75 (Eng) \*DL/76AUG853  
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## Bibergeil H

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## Bickel MH

**LIVER MICROSOMAL BETA-GLUCURONIDASE AND UDP-GLUCURONYLTRANSFERASE.** Schollhammer I, Poll DS, Bickel MH *Enzyme* 20: 269-76, 1975 (Eng) \*DL/76AUG496

## Bieber LL

**STUDIES ON NOREPINEPHRINE-INDUCED EFFLUX OF FREE FATTY ACID FROM HAMSTER BROWN-ADIPOSE-TISSUE CELLS.** Bieber LL, Petterson B, Lindberg O *Eur J Biochem* 58: 375-81, 15 Oct 75 (Eng) \*DL/76AUG677  
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## Bierman EL

**OBESITY, CARBOHYDRATE, AND LIPID INTERACTIONS IN THE ELDERLY.** Bierman EL *Curr Concepts Nutr* 4: 171-6, 1976 (Eng) [19] DL/76AUG59  
ADULT; AGE FACTORS; AGED; AGING; ATHEROSCLEROSIS (etiology); BLOOD SUGAR (metabolism); BODY COMPOSITION; BODY CONSTITUTION; CARBOHYDRATES (metabolism); CHOLESTEROL (blood); DIABETES MELLITUS (etiology); ENERGY METABOLISM; FEMALE; HUMAN; LIPIDS (metabolism); MALE; OBESITY (metabolism); REVIEW; SEX FACTORS; TRIGLYCERIDES (blood).

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## Bignall KE

**EFFECT OF NEONATAL DECEREBRATION ON THERMOGENESIS DURING STARVATION AND COLD EXPOSURE IN THE RAT.** Bignall KE, Heggeness FW, Palmer JE *Exp Neurol* 49: 174-88, Oct 75 (Eng) \*DL/76AUG679  
ANIMAL; ANIMALS, NEWBORN; BASAL METABOLISM; BLOOD SUGAR (metabolism); BODY TEMPERATURE REGULATION; COLD; DECEREBRATE STATE (physiopathology); FEMALE; HYPOTHALAMUS (physiology); MALE; OXYGEN CONSUMPTION; PONS (physiology); RATS; STARVATION (physiopathology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

## Billaudel B

**[IMMUNO-REACTIVE INSULIN-LIKE SUBSTANCES IN THE RAT]** Felix JM, Sutter-Dub MT, Legrele C, Billaudel B, Sutter BC, Jacquot R *Pathol Biol (Paris)* 23: 841-8, Dec 75 (Fre) DL/76AUG283

## Binazzi M

**SKIN AND DIABETES. I. INCIDENCE OF DIABETES IN A SAMPLE OF HEALTHY SUBJECTS.** Binazzi M, Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 197-206, Sep-Dec 74 (Eng) DL/76AUG127  
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## Binder RA

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## Bing RJ

**LIPID METABOLISM IN HUMAN CORONARY ARTERIES.** Bing RJ, Morita T, Hashimoto H, Larsen E *Recent Adv Stud Cardiac Struct Metab* 3: 53-8, 1973 (Eng) \*DL/76AUG803  
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**MITOCHONDRIAL FUNCTION AND EXCITATION-CONTRACTION COUPLING IN THE DEVELOPMENT OF ALCOHOLIC CARDIOMYOPATHY.** Pachinger O, Mao J, Fauvel JM,

Bing RJ *Recent Adv Stud Cardiac Struct Metab* 5: 423-9, 1975 (Eng) \*DL/76AUG834

**THE EFFECT OF CARBON MONOXIDE ON LIPID METABOLISM OF HUMAN CORONARY ARTERIES.** Sarma JS, Tillmanns H, Ikeda S, Bing RJ *Atherosclerosis* 22: 193-8, Sep-Oct 75 (Eng) \*DL/76AUG922

## Bird D

**OBESITY IN A NEW ZEALAND COMMUNITY.** Benson-Cooper D, Bird D, Laing JK, Hannah EE, Carrell RW, Beaven DW *NZ Med J* 82: 115-9, 27 Aug 75 (Eng) \*DL/76AUG754

## Birky CW Jr

**EFFECTS OF GLUCOSE REPRESSION OF THE TRANSMISSION AND RECOMBINATION OF MITOCHONDRIAL GENES IN YEAST (SACCHAROMYCES CEREVISIAE).** Birky CW Jr *Genetics* 80: 695-709, Aug 75 (Eng) \*DL/76AUG509

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## Bismuth C

**[LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN]** Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298

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## Bitta R

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## Bjorntorp P

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## Blagoveshchenskaia TA

**[THE XY SYNDROME (BRIEF CLINICOMORPHOLOGIC CHARACTERISTICS)]** Marinina GP, Blagoveshchenskaia TA, Oleinikov NI *Zh Nevropatol Psikhiatr* 76: 413-6, 1976 (Kiev) DL/76AUG394

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## Blaszowski TP

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AN EXAMPLE OF LYOPHILIZED PROTEIN-BASED MATERIALS NOT SIMULATING PATIENT SERA. Steele BW, Koehler DF, Blaszowski TP. *Azar M Clin Chem* 21: 1812-4, Nov 75 (Eng) \*DL/76AUG659

### Blettry O

[LETTER: HYPOGLYCEMIA DURING BETA BLOCKING TREATMENT] Certin M, Wechsler B, Blettry O, Godeau P. *Nouv Presse Med* 5: 862, 27 Mar 76 (Fre) DL/76AUG296

### Block BN

LETTER: DIABETES-RELATED NEUROPATHIC AND VASCULAR COMPLICATIONS. Block BN. *Postgrad Med* 59: 29, Mar 76 (Eng) DL/76AUG308

DIABETES MELLITUS (complications); FOOT DISEASES (etiology, prevention & control); HUMAN.

### Block WD

DIABETES AMONG MEN IN A GENERAL POPULATION. PREVALENCE AND ASSOCIATED PHYSIOLOGICAL FINDINGS. Ostrander LD, Lamphier DE, Block WD. *Arch Intern Med* 136: 415-20, Apr 76 (Eng) DL/76AUG456

### Bloom G

A DISTRIBUTED PORE SIZE MODEL FOR CAPILLARIES. Johnson JA, Levitt DG, Wangenstein OD, Bloom G. *Microvasc Res* 10: 217-9, Sep 75 (Eng) \*DL/76AUG747

### Bloom S

ISOPROTERENOL MYOCYTOLYSIS AND MYOCARDIAL CALCIUM. Bloom S, Davis D. *Recent Adv Stud Cardiac Struct Metab* 4: 581-90, 1974 (Eng) \*DL/76AUG825

ANIMAL; BIOLOGICAL TRANSPORT (drug effects); CALCIUM (metabolism); DOSE-RESPONSE RELATIONSHIP; DRUG; ISOPROTERENOL (pharmacodynamics); MALE; MYOCARDIAL DISEASES; PRIMARY (chemically induced, metabolism); MYOCARDIUM (metabolism); NECROSIS; PROPRANOLOL (pharmacodynamics); RATS; TIME FACTORS.

### Bloom SR

LETTER: DIABETES WITHOUT GLUCAGON. Barnes AJ, Bloom SR, Alford FP, Russell RC. *Lancet* 1: 967, 1 May 76 (Eng) DL/76AUG232

### Blosser J

INCREASE IN PLASMA GROWTH HORMONE CONCENTRATION: A NEW EFFECT OF HELIUM BREATHING. Raymond L, Sode J, Langworthy HC, Blosser J, Johnsonbaugh RE. *Undersea Biomed Res* 1: 91-8, Mar 74 (Eng) \*DL/76AUG590

### Blowey RW

A PRACTICAL APPLICATION OF METABOLIC PROFILES. Blowey RW. *Vet Rec* 97: 324-7, 25 Oct 75 (Eng) \*DL/76AUG592

ANIMAL EXPERIMENTS; ANIMAL FEED; BLOOD SUGAR (analysis); BLOOD UREA NITROGEN; CATTLE (blood, physiology); FEMALE; LACTATION; PREGNANCY; SEASONS; SERUM ALBUMIN, BOVINE (analysis).

### Bobik Iul

[PATHOGENESIS OF DISORDERS OF THE THYROID GLAND FUNCTION IN PREGNANCY] Bobik Iul, Kasatkina LA, Paschenko AE, Mitso ASH, Fabri ZI. *Vopr Okhr Materin Det* 19: 71-3, Feb 74 (Rus) \*DL/76AUG859

ENGLISH ABSTRACT; FEMALE; FETUS (metabolism); HUMAN; HYPERTHYROIDISM (etiology); IODINE (metabolism); MATERNAL-FETAL EXCHANGE; PLACENTA (metabolism);

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PREGNANCY COMPLICATIONS; PREGNANCY; THYROID GLAND FUNCTION TESTS; THYROID GLAND (metabolism).

### Bockaert J

STIMULUS-RESPONSE COUPLING IN NEUROHYPOPHYSIAL PEPTIDE TARGET CELLS. Jard S, Bockaert J. *J Physiol Rev* 55: 489-536, Oct 75 (Eng) \*DL/76AUG783

### Bode F

EFFECT OF PARATHYROID HORMONE ON RENAL TUBULAR FLUID AND GLUCOSE REABSORPTION. Baumann K, Chan YL, Bode F, Papavassiliou F, Wagner M. *Curr Probl Clin Biochem* 4: 223-8, 1975 (Eng) \*DL/76AUG488

REABSORPTION OF D-GLUCOSE FROM VARIOUS REGIONS OF THE RAT PROXIMAL CONVOLUTED TUBULE: EVIDENCE THAT THE PROXIMAL CONVOLUTION IS NOT HOMOGENEOUS. Bode F, Chan YL, Goldner AM, Papavassiliou F, Wagner M, Baumann K. *Curr Probl Clin Biochem* 4: 39-43, 1975 (Eng) \*DL/76AUG490

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; GLUCOSE (metabolism); KIDNEY TUBULES, PROXIMAL (metabolism); KINETICS; MALE; RATS.

### Bodnar A

EFFECT OF SURGERY ON CARBOHYDRATE METABOLISM. Alant O, Pulay I, Esztergalyos J, Bodnar A. *Acta Chir Acad Sci Hung* 16: 307-14, 1975 (Eng) DL/76AUG396

### Bodner E

[BALANCED PARENTERAL NUTRITION FOLLOWING TOTAL PANCREATECTOMY. (METABOLIC DATA)] Reissigl H, Bodner E, Falser N. *Infusionstherapie* 2: 120-31, Apr 75 (Ger) \*DL/76AUG700

### Boehm C

YEAST PLASMA MEMBRANE VESICLES SUITABLE FOR TRANSPORT STUDIES. Wehrli E, Boehm C, Fuhrmann GF. *J Bacteriol* 124: 1594-7, Dec 75 (Eng) \*DL/76AUG525

### Bohnsack R

FURTHER CHARACTERIZATION OF THE ASSOCIATION OF GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE WITH RETICULOCYTE MEMBRANES. Letko G, Bohnsack R. *Acta Biol Med Ger* 34: 1145-51, 1975 (Eng) \*DL/76AUG596

### Boiadzhiev Ts

[MORPHOLOGICAL CHANGES IN THE ENDOCRINE PANCREAS OF THE RABBIT AFTER THE ADMINISTRATION OF A MORUS ALBA EXTRACT] Gulubova R, Boiadzhiev Ts. *Eksp Med Morfol* 14: 166-71, 1975 (Bul) DL/76AUG66

### Bolshakova TN

CATABOLIC REPRESSION IN ESCHERICHIA COLI K12 MUTANTS DEFECTIVE IN GLUCOSE TRANSPORT. Gershanovitch VN, Yarovitskaya NV, Komissarova LV, Bolshakova TN, Erlagaeva RS. *Bourd GI Mol Gen Genet* 140: 81-90, 15 Sep 75 (Eng) \*DL/76AUG748

### Bommer G

ULTRASTRUCTURE OF HEMANGIOPERICYTOMA ASSOCIATED WITH PARANEOPlastic HYPOGLYCEMIA. Bommer G, Altenahr E, Kuhnau J Jr, Kloppel G. *Z Krebsforsch* 85: 231-41, 19 Mar 76 (Eng) DL/76AUG389

ADULT; CASE REPORT; CYTOPLASMIC GRANULES (ultrastructure); GLUCOSE (metabolism); HEMANGIOPERICYTOMA (complications, pathology, secretion); HUMAN; HYPOGLYCEMIA (etiology); MALE; MENINGES; NEOPLASTIC ENDOCRINE-LIKE SYNDROMES (pathology).

### Bon R

[SCREENING FOR HYPERLIPIDEMIA IN YOUNG ADULTS] Fromantin M, Freyria J, Drieu M, Bon R. *Nouv Presse Med* 5: 851-2, 27 Mar 76 (Fre) DL/76AUG295

### Bondoux M

RESISTANCE TO SLIMMING: ADIPOSE TISSUE CELLULARITY STUDIES. Ashwell M, Priest P, Bondoux M, Garrow JS. *Proc Nutr Soc* 34: 85a-86a, Sep 75 (Eng) \*DL/76AUG775

### Bonkowsky HL

COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA. Bonkowsky HL, Magnusen CR, Collins AR, Doherty JM, Hess RA, Tschudy DP. *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

ACUTE DISEASE; ADOLESCENCE; ADULT; AGED; AMINOLEVULINIC ACID (urine); COMPARATIVE STUDY; DIETARY CARBOHYDRATES; DIETARY FATS (administration & dosage); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (pharmacodynamics); GLUCOSE (metabolism); GLYCERIN (pharmacodynamics); HUMAN; INSULIN (blood); LEVULINIC ACIDS (urine); MALE; PORPHOBILINOGEN (urine); PORPHYRIA (blood, urine); PORPHYRINS (urine); SOMATOTROPIN (blood).

### Borg H

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J. *Ostman J J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

### Bories H

[INSULIN AND ITS PHYSIOLOGICAL EFFECTS] Bories H. *Infirm Fr* 21-4, Mar 76 (Fre) DL/76AUG122

ANIMAL EXPERIMENTS (analysis); HUMAN; INSULIN (physiology).

### Borkowski A

STUDY OF GROWTH HORMONE SECRETION IN LUNG CARCINOMA. Claeys-De Clercq P, Levin S, Borkowski A. *Eur J Cancer* 11: 565-9, Aug 75 (Eng) DL/76AUG85

### Born CK

THE ROLE OF THE ADRENAL MEDULLA IN THE CONTROL OF GLUCONEOGENESIS IN THE RAT. Born CK, Spratto GR. *Res Commun Chem Pathol Pharmacol* 12: 481-98, Nov 75 (Eng) \*DL/76AUG585

ADRENAL MEDULLA (physiology); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CATECHOLAMINES (physiology); EPINEPHRINE (pharmacodynamics); EXCRETION; FASTING; GLUCONEOGENESIS (drug effects); GLUCOSE (metabolism); GLYCERIN (metabolism); LACTATES (metabolism); MALE; MUSCLES (metabolism); RATS; TIME FACTORS.

### Born GV

BINDING OF ADENOSINE DIPHOSPHATE TO INTACT HUMAN PLATELETS. Born GV, Feinberg H. *J Physiol (Lond)* 251: 803-16, Oct 75 (Eng) \*DL/76AUG726

ADENOSINE DIPHOSPHATE (blood); ADENOSINE MONOPHOSPHATE (blood); ADENOSINE TRIPHOSPHATE (blood); ADENOSINE (pharmacodynamics); ANIMAL EXPERIMENTS; BINDING SITES; BLOOD PLATELETS (metabolism, drug effects); CENTRIFUGATION; DIPYRIDAMOLE (pharmacodynamics); GUINEA PIGS; HUMAN; OILS; PROSTAGLANDINS E (pharmacodynamics); SILICONES; TEMPERATURE.

**Borovyi EM**

[DIAGNOSIS AND TREATMENT OF INSULINOMA] Borovyi EM, Martyniuk IuM, Nesterenko LN, Syvii Nlu *Vrach Delo* 90-1, Mar 74 (Rus) \*DL/76AUG861  
ADULT; CASE REPORT; FEMALE; HUMAN; ISLET CELL TUMOR (diagnosis, surgery); PANCREATIC NEOPLASMS (diagnosis, surgery).

**Borowski IF**

ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART. Dhalla NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Cardiac Struct Metab* 5: 177-87, 1975 (Eng) \*DL/76AUG831

**Boshell BR**

CLINICAL EVALUATION OF A NEW SULFONYLUREA IN MATURITY ONSET DIABETES - GLIPIZIDE (K-4024). Bandisod MS, Boshell BR *Horm Metab Res* 8: 89-91, Mar 76 (Eng) DL/76AUG114

FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY. Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

**Bostedt H**

[STUDYING THE IMMOBILITY OF SHEEP IN THE PERINATAL PERIOD] Bostedt H *Berl Munch Tierarztl Wochenschr* 89: 156-61, 15 Apr 76 (Ger) DL/76AUG467

ANIMAL EXPERIMENTS (analysis); ANIMALS, NEWBORN; ENGLISH ABSTRACT; FEMALE; HYPOGLYCEMIA (veterinary); KETONE BODIES (urine); PARTURIENT PARESIS (metabolism); PREGNANCY; PREGNANCY, ANIMAL; SHEEP DISEASES (metabolism); SHEEP.

**Botting HG**

UTILIZATION OF AMINO ACIDS ADMINISTERED ENTERALLY OR PARENTERALLY TO YOUNG PIGS. Keith MO, Peace RW, Botting HG, Hamilton FJ *J Nutr* 105: 1535-43, Dec 75 (Eng) \*DL/76AUG550

**Botz CK**

AN IMPROVED CONTROL ALGORITHM FOR AN ARTIFICIAL BETA-CELL. Botz CK *IEEE Trans Biomed Eng* 23: 252-5, May 76 (Eng) DL/76AUG117

ANIMAL EXPERIMENTS (analysis); ARTIFICIAL ORGANS; BLOOD SUGAR (analysis); COMPUTERS, ANALOG; DIABETES MELLITUS (drug therapy); DOGS; GLUCOSE (administration & dosage); HUMAN; INSULIN (administration & dosage); ISLANDS OF LANGERHANS (physiology).

**Boudet**

[VALUE OF PYRIDINOL CARBAMATE IN OCULAR VASCULAR PATHOLOGY (ANGIOXINE)] Boudet, Millet, Arnaud *Bull Soc Ophthalmol Fr* 74: 977-80, Sep-Oct 74 (Fre) DL/76AUG35

AGED; ATHEROMA (drug therapy); CARBAMATES (therapeutic use); DIABETIC RETINOPATHY (drug therapy); HUMAN; MACULAR DEGENERATION (drug therapy); MIDDLE AGE; PYRIDINOL CARBAMATE (therapeutic use); RETINAL DISEASES (drug therapy); RETINAL VEIN; THROMBOSIS (drug therapy).

**Bourd GI**

CATABOLITE REPRESSION IN ESCHERICHIA COLI K12 MUTANTS DEFECTIVE IN GLUCOSE TRANSPORT. Gershanovitch VN, You-

rovitskaya NV, Komissarova LV, Bolshakova TN, Erlagaeva RS, Bourd GI *Mol Gen Genet* 140: 81-90, 15 Sep 75 (Eng) \*DL/76AUG748

**Bourne AR**

THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION. Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772  
ANIMAL; BLOOD SUGAR (metabolism); DIETARY CARBOHYDRATES; FEMALE; FRUCTOSE (administration & dosage); GLUCOSE (administration & dosage); LACTATION; LIPIDS (blood); PREGNANCY; PREGNANCY, ANIMAL; RATS; STARCH (administration & dosage); SUCROSE (administration & dosage).

**Bowien S**

ISOLATION AND CHARACTERIZATION OF A PYROPHOSPHATE-DEPENDENT PHOSPHOFRUCTOKINASE FROM PROPIONIBACTERIUM SHERMANII. O'Brien WE, Bowien S, Wood HG *J Biol Chem* 250: 8690-5, 25 Nov 75 (Eng) \*DL/76AUG716

**Boyd H**

CHANGES IN CATECHOLAMINE- AND GLUCAGON-RESPONSIVE ADENYLATE CYCLASE ACTIVITY IN PRENEOPLASTIC RAT LIVER. Boyd H, Martin TJ *Mol Pharmacol* 12: 195-202, Mar 76 (Eng) DL/76AUG253  
ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS (analysis); ENZYME ACTIVATION (drug effects); EPINEPHRINE (pharmacodynamics); GLUCAGON (pharmacodynamics); ISOPROTERENOL (pharmacodynamics); KINETICS; LIVER (drug effects, enzymology); METHYLDIMETHYLAMINOAZOBENZENE; NOREPINEPHRINE (pharmacodynamics); PRECANCEROUS CONDITIONS (chemically induced, enzymology); RATS; TIME FACTORS.

**Bradley WE**

ABNORMALITIES OF BLADDER INNERVATION IN DIABETES MELLITUS. Andersen JT, Bradley WE *Urology* 7: 442-8, Apr 76 (Eng) DL/76AUG356

**Brain MC**

[INFLUENCE OF HYPOPHOSPHATEMIA ON ERYTHROCYTE METABOLISM IN DIABETIC KETO-ACIDOSIS] Lyonais J, Card RT, Brain MC *Union Med Can* 104: 560-4, Apr 75 (Fre) DL/76AUG354

**Brandt RB**

PLASMA CORTICOSTERONE AND CARDIAC GLYCOGEN LEVELS IN RATS AFTER EXERCISE. Poland JL, Myers TD, Witorsch RJ, Brandt RB *Proc Soc Exp Biol Med* 150: 148-50, Oct 75 (Eng) \*DL/76AUG778

**Brantmark B**

MATERNAL SMOKING AND FETAL BREATHING MOVEMENTS. Gennser G, Marsal K, Brantmark B *Am J Obstet Gynecol* 123: 861-7, 15 Dec 75 (Eng) \*DL/76AUG608

**Breen KJ**

THIAMINE TRANSPORT ACROSS THE RAT INTESTINE. II. EFFECT OF ETHANOL. Hoyumpa AM Jr, Breen KJ, Schenker S, Wilson FA *J Lab Clin Med* 86: 803-16, Nov 75 (Eng) \*DL/76AUG721

**Bremer H**

PARAMETERS AFFECTING THE RATE OF SYNTHESIS OF RIBOSOMES AND RNA POLYMERASE IN BACTERIA. Bremer H *J Theor Biol* 53: 115-24, Sep 75 (Eng) \*DL/76AUG563

AMINO ACIDS (metabolism); BACTERIA (metabolism); BACTERIAL PROTEINS (biosynthesis); CULTURE MEDIA; ESCHERICHIA COLI (metabolism, growth & development); GLUCOSE (metabolism); KINETICS; PEPTIDE CHAIN ELONGATION; RIBOSOMES (metabolism); RNA POLYMERASE (biosynthesis); RNA, BACTERIAL (biosynthesis); RNA, RIBOSOMAL (biosynthesis); SUCCINATES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

**Brendel W**

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prohs H, Messmer K, Bucklein R, Loh G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

**Brennan MF**

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPLANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

**Brenner MJ**

INTERACTION OF FOUR METHYLNANTHINE COMPOUNDS AND NOREPINEPHRINE ON CARDIAC PHOSPHORYLASE ACTIVATION AND CARDIAC CONTRACTILITY. McNeill JH, Brenner MJ, Muschek LD *Recent Adv Stud Cardiac Struct Metab* 3: 261-73, 1973 (Eng) \*DL/76AUG795

**Bresler SE**

STRUCTURE AND ACTIVE TRANSPORT IN THE PLASMA MEMBRANE OF THE TUBULES OF FROG KIDNEY. Bresler VM, Bresler SE, Nikiforov AA *Biochim Biophys Acta* 406: 526-37, 3 Nov 75 (Eng) \*DL/76AUG631

**Bresler VM**

STRUCTURE AND ACTIVE TRANSPORT IN THE PLASMA MEMBRANE OF THE TUBULES OF FROG KIDNEY. Bresler VM, Bresler SE, Nikiforov AA *Biochim Biophys Acta* 406: 526-37, 3 Nov 75 (Eng) \*DL/76AUG631  
AMINOHIPPURIC ACID (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; ACTIVE; CELL MEMBRANE (metabolism); FLUORESCINS (metabolism); FROGS; KIDNEY TUBULES, PROXIMAL (metabolism, ultrastructure); MAGNETICS (metabolism, ultrastructure); POTASSIUM (metabolism); RANA TEMPORARIA; SODIUM (metabolism); STROPHANTHINS (pharmacodynamics); TEMPERATURE; TIME FACTORS; VALINOMYCIN (pharmacodynamics).

**Bretscher MS**

MAMMALIAN PLASMA MEMBRANES. Bretscher MS, Raff MC *Nature* 258: 43-9, 6 Nov 75 (Eng) [84] \*DL/76AUG753  
ANIMAL; BLOOD PROTEINS (metabolism); CARBOHYDRATES (metabolism); CELL MEMBRANE (ultrastructure, metabolism); CELL NUCLEUS; CHOLESTEROL (metabolism); DIFFUSION; ERYTHROCYTES (ultrastructure); GLYCOPROTEINS (metabolism); LIPIDS (metabolism); MEMBRANES, ARTIFICIAL; MICROTUBULES (ultrastructure); MOLECULAR CONFORMATION; PROTEINS (metabolism); REVIEW; TEMPERATURE.

**Breuer J**

[THE INFLUENCE OF FEEDING ON CLINICAL-CHEMICAL PARAMETERS IN THE SERUM OF RATS (AUTHORS TRANSL.)] Breuer J,

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### Brierley GP

Kieser H Z *Klin Chem Klin Biochem* 13: 401-5, Sep 75 (Ger) \*DL/76AUG595  
ALANINE AMINOTRANSFERASE (blood); ALKALINE PHOSPHATASE (blood); ANIMAL EXPERIMENTS; BILIRUBIN (blood); BLOOD CHEMICAL ANALYSIS; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); DIET; ENGLISH ABSTRACT; FASTING; FEMALE; LEUCINE AMINOPEPTIDASE (blood); LIPIDS (blood); MALE; RATS.

### Brierley GP

PHOSPHATE AND SUBSTRATE TRANSPORT BY ISOLATED HEART MITOCHONDRIA. Brierley GP, Scott KM, Jurkowitz M, Merola AJ *Recent Adv Stud Cardiac Struct Metab* 4: 245-52, 1974 (Eng) \*DL/76AUG820

ANIMAL; BIOLOGICAL TRANSPORT (drug effects); CARRIER PROTEINS (metabolism); CATTLE; COMPARATIVE STUDY; MALATES (metabolism); MALONATES (pharmacodynamics); MITOCHONDRIA, LIVER (metabolism); MITOCHONDRIA, MUSCLE (metabolism); MITOCHONDRIAL SWELLING; MODELS, BIOLOGICAL; MYOCARDIUM (ultrastructure); PHILIPPINES; PHOSPHATES (metabolism); RATS; SUCCINATES (metabolism); TEMPERATURE.

### Brinn JE Jr

ISLET HISTOPHYSIOLOGY: EVOLUTIONARY CORRELATIONS. Epple A, Brinn JE Jr *Gen Comp Endocrinol* 27: 320-49, Nov 75 (Eng) DL/76AUG102

### Brisson J

[ABSENCE OF SOMATOSTATIN EFFECT ON NEUROHYPOPHYSEAL FUNCTION IN MAN] Legros JJ, Brisson J, Franchimont P *C R Soc Biol (Paris)* 168: 1442-5, 1974 (Fre) \*DL/76AUG647

### Brivio-Haugland RP

LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE. Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

ADENYLATE TRIPHOSPHATASE (metabolism); ADENYL CYCLASE (metabolism); ALKALINE PHOSPHATASE (metabolism); ANIMAL EXPERIMENTS (analysis); CELL MEMBRANE (drug effects, metabolism); FATTY ACIDS (metabolism); FATTY ACIDS, ESSENTIAL (deficiency); FLUORIDES (pharmacodynamics); GLUCAGON (pharmacodynamics); GLUCOSE PHOSPHATASE (metabolism); KINETICS; LIPIDS (metabolism); LIVER (metabolism); MALE; NUCLEOTIDASES (metabolism); PHOSPHOLIPIDS (metabolism); RATS; TEMPERATURE; THERMODYNAMICS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. J.

### Brockman RP

STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE. Brockman RP, Bergman EN, Pollak WL, Brondum J *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24

ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (metabolism); DEKAMETHASONE (pharmacodynamics); FEMALE; GLUCAGON (pharmacodynamics); GLUCOSE (metabolism); INSULIN (pharmacodynamics); SHEEP; STARVATION (metabolism); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. J.

### Brody TM

CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC AC-

TION AND BINDING TO AND DISSOCIATION FROM NA<sup>+</sup>-K<sup>+</sup>-ACTIVATED ATPASE IN VITRO. Akera T, Baskin SI, Tobin T, Brody TM *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG818

### Brondum J

STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE. Brockman RP, Bergman EN, Pollak WL, Brondum J *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24

### Brooker G

CHANGE IN MYOCARDIAL ADENOSINE 3, 5 CYCLIC MONOPHOSPHATE DURING THE CONTRACTION CYCLE. Brooker G *Recent Adv Stud Cardiac Struct Metab* 3: 207-12, 1973 (Eng) \*DL/76AUG790

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL; FROGS; IN VITRO; MYOCARDIAL CONTRACTION; MYOCARDIUM (metabolism).

### Brooks DH

THE USE OF EXPANDED MICROPOROUS POLYTETRAFLUOROETHYLENE FOR LIMB SALVAGE: A PRELIMINARY REPORT. Campbell CD, Brooks DH, Webster MW, Bahnsen HT *Surgery* 79: 485-91, May 76 (Eng) DL/76AUG347

### Brown D

HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIBIA MEANS LIVER IN ORGAN CULTURE. Brown D, Fleming N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

ALANINE AMINOTRANSFERASE (metabolism); ALANINE (pharmacodynamics); AMPHIBIA (metabolism); ANIMAL EXPERIMENTS (analysis); ASPARTATE AMINOTRANSFERASE (metabolism); DOSE-RESPONSE RELATIONSHIP, DRUG; EPINEPHRINE (pharmacodynamics); GLUCAGON (pharmacodynamics); GLUCONEOGENESIS (drug effects); GLUCOSE (biosynthesis); GLYCOGEN (metabolism); HEXOSEDIPHOSPHATASE (metabolism); INSULIN (pharmacodynamics); LIVER (enzymology, metabolism); ORGAN CULTURE; PYRUVATES (pharmacodynamics).

### Brown DR

EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS. Nandan R, Fisher JD, Towery EP, Brown DR, Ganote E, Jennings RB *Atherosclerosis* 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924

### Brown GM

EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN. Lal S, Tolis G, Martin SB, Brown GM, Guyda H J *Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

### Brown JC

THE EFFECT OF SOMATOSTATIN ON RELEASE AND INSULINOTROPIC ACTION OF GASTRIC INHIBITORY POLYPEPTIDE. Pederson RA, Dryburgh JR, Brown JC *Can J Physiol Pharmacol* 53: 1200-5, Dec 75 (Eng) DL/76AUG25

### Brown M

EFFECTS OF NEUROTENSIN AND SUBSTANCE P ON PLASMA INSULIN, GLUCAGON AND GLUCOSE LEVELS. Brown M, Vale W *Endocrinology* 98: 819-22, Mar 76 (Eng) DL/76AUG73

ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (metabolism); GLUCAGON (blood); GLUCOSE (metabolism); HOMEOSTASIS; HYPOTHALAMUS; INSULIN (blood); KININS (pharmacodynamics); MALE; RATS; SUBSTANCE P (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. J.

GROWTH HORMONE RELEASE IN THE RAT: EFFECTS OF SOMATOSTATIN AND THYROTROPIN-RELEASING FACTOR. Brown M, Vale W *Endocrinology* 97: 1151-6, Nov 75 (Eng) \*DL/76AUG670

ANIMAL; DOSE-RESPONSE RELATIONSHIP, DRUG; IN VITRO; MALE; MORPHINE (pharmacodynamics); PENTOBARBITAL (pharmacodynamics); PITUITARY GLAND, ANTERIOR (secretion, drug effects); PROTAGLANDINS E (pharmacodynamics); RATS; SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); SOMATOTROPIN (secretion, blood); THYROTROPIN RELEASING HORMONE (pharmacodynamics, analogs & derivatives); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. J.

### Brozek I

[WORKING DIABETICS AND THEIR ACTIVITY IN THE THERAPEUTIC PROCESS (AUTHORS TRANSL.)] Dub O, Brozek I, Nykodym P *Cas Lek Cesk* 115: 330-4, 19 Mar 76 (Cze) DL/76AUG27

### Bruckdorfer KR

THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION. Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772

THE EFFECT OF DIETARY SUCROSE AND DIFFERENT DIETARY FATS ON HYPERLIPIDAEMIA AND ATHEROSCLEROSIS IN WHITE LEGHORN COCKERELS (GALLUS DOMESTICUS). Worcester NA, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 82a-83a, Sep 75 (Eng) \*DL/76AUG773

### Bruckner-Kardoss E

GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERMFREE RATS. Sewell DL, Bruckner-Kardoss E, Lorenz LM, Wostmann BS *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322

### Brunner W

[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL.)] Banauch D, Brunner W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger H J *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

### Brundenell M

DIABETIC PREGNANCY. Brundenell M *Nurs Mirror* 142: 60-2, 8 Apr 76 (Eng) DL/76AUG300

FEMALE; HUMAN; INFANT, NEWBORN; PREGNANCY IN DIABETES; PREGNANCY.

### Brunton WA

LETTER: MEASUREMENT OF PLASMA-GLUCOSE LEVELS IN THE SIDE-ROOM. Brunton WA, Percy-Robb IW *Lancet* 2: 1153, 6 Dec 75 (Eng) \*DL/76AUG568

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### Brunzell JD

RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS. Brunzell JD,



Robertson RP, Lerner RL, Hazzard WR, Ensink JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141  
BLOOD SUGAR (metabolism); FASTING;  
GLUCOSE TOLERANCE TEST; HUMAN;  
HYPERGLYCEMIA (physiopathology);  
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GOVERNMENT SUPPORTED, N.I.H. ).

#### Brydon-Golz S

POSTSYNTHETIC STABILIZED MODIFICATION OF ADENYLATE CYCLASE BY METABOLITES. Brydon-Golz S, Bannan A *Biochem Soc Trans* 3: 721-4, 1975 (Eng) \*DL/76AUG505

ADENOSINE TRIPHOSPHATE (pharmacodynamics); ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS; CEREBRAL CORTEX (enzymology, drug effects); DRUG STABILITY; KINETICS; MAGNESIUM (pharmacodynamics); MALE; NOREPINEPHRINE (pharmacodynamics); RATS.

#### Bryk E

[SCINTILLATION ALBESCENS, DIABETES AND ATHEROMATOSIS] Bryk E *Klin Oczna* 46: 427-30, 1976 (Pol) DL/76AUG215  
AGED; ARTERIOSCLEROSIS (blood); ATHEROMA (blood); BLOOD SUGAR (analysis); CHOLESTEROL (blood); DIABETES MELLITUS (blood); ENGLISH ABSTRACT; EYE DISEASES (blood); HUMAN; MIDDLE AGE; SYNDROME; VITREOUS BODY.

#### Buchanan KD

TRIGLYCERIDE METABOLISM IN ACUTE STARVATION: THE ROLE OF SECRETIN AND GLUCAGON. Stout RW, Henry RW, Buchanan KD *Eur J Clin Invest* 6: 179-85, 31 Mar 76 (Eng) DL/76AUG87

#### Bucklein R

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prohs H, Messmer K, Bucklein R, Lob G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

#### Bucs G

[CHANGES IN GLUCOSE-6-PHOSPHATE DEHYDROGENASE ACTIVITY IN THE HUMAN PLACENTA DURING PREGNANCY] Csaba I, Nagy P, Szabo I, Bucs G, Varga K *Zentralbl Gynaekol* 97: 714-7, 1975 (Ger) \*DL/76AUG866

#### Buddecke E

14C-GLUCOSE AND 35S-METABOLISM OF PIG EPIPHYSAL CARTILAGE AND ITS VARIATIONS AFTER OSTOTOMY. Beckmann J, Rodegerts U, Buddecke E *J Bone Joint Surg [Br]* 57: 506-10, Nov 75 (Eng) \*DL/76AUG535

PURIFICATION AND PROPERTIES OF UDP-GLUCOSE GALACTOSYLHYDROXYLYSINE COLLAGEN GLUCOSYLTRANSFERASE (EC 2.4.1.1) FROM BOVINE ARTERIAL TISSUE. Henkel W, Buddecke E *Hoppe Seylers Z Physiol Chem* 356: 921-8, Jun 75 (Eng) \*DL/76AUG695

METABOLISM OF SULFATED GLYCOSAMINOGLYCANS IN CULTIVATED BOVINE ARTERIAL CELLS. II. QUANTITATIVE STUDIES ON THE UPTAKE OF 35S04-LABELED PROTEOGLYCANS. Kresse H, Tekofl W, von Figura K, Buddecke E *Hoppe Seylers Z Physiol Chem* 356: 943-52, Jun 75 (Eng) \*DL/76AUG696

#### Buie C

[POSTPRANDIAL LEVELS OF BLOOD SUGAR, CHOLESTEROL AND TOTAL LIPIDS IN A GROUP OF NORMAL STUDENTS] Sner A, Buie C, Dughir E, Dimitriu M *Rev Med Chir Soc Med Nat Iasi* 79: 555-60, Oct-Dec 75 (Rum) DL/76AUG333

#### Bulat E

[EARLY ADAPTATION OF PREMATURE INFANTS (HEMATOLOGICAL AND BIOCHEMICAL ASPECTS)] Rusu O, Bulat E, Iorgulescu M, Deciu I, Baltac C, Kloss D *Rev Pediatr Obstet Ginecol [Pediatr]* 24: 37-47, Jan-Mar 75 (Rum) \*DL/76AUG840

#### Bunger B

[GLUCOSE CONCENTRATION IN BLOOD DURING EXERTION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCISE IN VARIOUS BREEDS OF SWINE] Bunger U, Steinhardt M, Riehm G, Gohler H, Bunger B, Lyhs I *Arch Exp Veterinaarmed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

[EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERCITION. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE] Bunger U, Steinhardt M, Riehm G, Bunger B, Lyhs I *Arch Exp Veterinaarmed* 29: 631-40, 1975 (Ger) \*DL/76AUG906

#### Bunger U

[GLUCOSE CONCENTRATION IN BLOOD DURING EXERCITION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCITION IN VARIOUS BREEDS OF SWINE] Bunger U, Steinhardt M, Riehm G, Gohler H, Bunger B, Lyhs I *Arch Exp Veterinaarmed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); COMPARATIVE STUDY; ENGLISH ABSTRACT; EXERCITION; SEASONS; SPECIES SPECIFICITY; SWINE (blood); TIME FACTORS.

[EVALUATION OF THE ABILITY TO REGULATE BLOOD VOLUME UNDER STANDARDIZED MOTORIC STRESS] Bunger U, Steinhardt M, Lyhs I *Arch Exp Veterinaarmed* 29: 265-79, 1975 (Ger) \*DL/76AUG618

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); BLOOD VOLUME; ENGLISH ABSTRACT; EXERCITION; FEMALE; MALE; PLASMA VOLUME; SWINE (physiology, blood).

[EFFECT OF ANEMIA ON VARIOUS REACTIONS OF THE DOMESTIC SWINE DUE TO PHYSICAL EXERCITION. 3. CHANGES IN PLASMA GLUCOSE AND LACTIC ACID CONCENTRATIONS] Bunger U, Steinhardt M, Riehm G, Lyhs I *Arch Exp Veterinaarmed* 29: 581-93, 1975 (Ger) \*DL/76AUG905

ANEMIA (veterinary, blood); ANIMAL; BLOOD SUGAR (metabolism); ENGLISH ABSTRACT; EXERCITION; LACTATES (blood); SWINE DISEASES (blood); SWINE.

[EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERCITION. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE] Bunger U, Steinhardt M, Riehm G, Bunger B, Lyhs I *Arch Exp Veterinaarmed* 29: 631-40, 1975 (Ger) \*DL/76AUG906

ANEMIA (veterinary, blood); ANIMAL; BLOOD SUGAR (analysis, metabolism); BODY TEMPERATURE; ENGLISH ABSTRACT; EXERCITION; HEMOGLOBINS (analysis); SWINE DISEASES (blood); SWINE.

#### Bunketorp O

[EXPERIENCES FROM INTENSIVE MEDICAL CARE AT THE SAHLGRENSKA HOSPITAL] Bunketorp O, Jonsson D, Stakeberg H *Lakar-tidningen* 73: 1720-2, 28 Apr 76 (Swe) DL/76AUG228

AGED; ALCOHOLIC INTOXICATION (therapy); CASE REPORT; DIABETIC COMA (therapy); ENGLISH ABSTRACT; FEMALE; HUMAN; INTENSIVE CARE UNITS; LUNG DISEASES (therapy); MALE; MYOCARDIAL INFARCT (therapy); RETROSPECTIVE STUDIES; SEX FACTORS; SWEDEN ).

#### Bunnag S

TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT. Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189

#### Bunnag SC

TOLBUTAMIDE, POSTNATAL NEOGENESIS OF THE ISLETS OF LANGERHANS AND MYOCARDIAL INSUFFICIENCY: A CASE REPORT. Bunnag SC, Bunnag S *J Med Assoc Thai* 59: 124-31, Mar 76 (Eng) DL/76AUG189  
AGED; CASE REPORT; CORONARY DISEASE (complications, etiology); DIABETES MELLITUS (complications); FEMALE; HEART FAILURE, CONGESTIVE (complications); HUMAN; HYPERPLASIA; ISLANDS OF LANGERHANS (drug effects, pathology); MIDDLE AGE; TOLBUTAMIDE (pharmacodynamics).

#### Burk M

PARANEOPLASTIC SYNDROMES. PP. 145-51. Burk M, Matas AJ, Simmons RI. In: *Najarian JS, Delaney JP, ed. Advances in cancer surgery*. New York, Stratton, 1976. QZ 268 A244 1975. (Eng) DL/76AUG182

CORTICOTROPIN (secretion); CUSHINGS SYNDROME (etiology); HORMONES, ECTOPIC (secretion); HUMAN; HYPERALCAEMIA (etiology); HYPOGLYCEMIA (etiology); MONOGRAPH (mortality); NEOPLASM METASTASIS; NEOPLASM RECURRENCE, LOCAL; NEOPLASMS (complications, diagnosis, secretion); NEOPLASTIC ENDOCRINE-LIKE SYNDROMES; PARATHYROID HORMONE (secretion); VASOPRESSIN (secretion).

#### Burke DD

UPTAKE OF THE GLUCOSE ANALOGUE 2-DEOXYGLUCOSE BY GERMINATING MITOSPORES OF ALLOMYCES MACROGYNUS. Burke DD *J Bacteriol* 124: 843-8, Nov 75 (Eng) \*DL/76AUG712

ALLOMYCES (metabolism, growth & development); CYCLOHEXIMIDE (pharmacodynamics); DACTINOMYCIN (pharmacodynamics); DEOXY SUGARS (metabolism); DEOXYGLUCOSE (metabolism); FUNGAL PROTEINS (biosynthesis); GALACTOSE (pharmacodynamics); GLUCOSE (pharmacodynamics); PHYCOMYCETES (metabolism); SPORES, FUNGAL (metabolism, growth & development); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

#### Burtis CA

FACTORS INFLUENCING EVAPORATION FROM SAMPLE CUPS AND ASSESSMENT OF THEIR EFFECT ON ANALYTICAL ERROR. Burtis CA, Begovich JM, Watson JS *Clin Chem* 21: 1907-17, Dec 75 (Eng) \*DL/76AUG479  
ANALYSIS OF VARIANCE; BLOOD SUGAR (analysis); CHEMISTRY, CLINICAL; COMPARATIVE STUDY; EQUIPMENT AND SUPPLIES; GLUCOSE (analysis); MICROCHEMISTRY (methods); MODELS, CHEMICAL; SILICONES; SOLUTIONS; SURFACE PROPERTIES; TEMPERATURE; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED

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### Buse MG

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### Buse MG

THE EFFECT OF DIABETES, INSULIN, AND THE REDOX POTENTIAL ON LEUCINE METABOLISM BY ISOLATED RAT HEMIADPHRAGM. Buse MG, Herlong HF, Weigand DA *Endocrinology* 98: 1166-75, May 76 (Eng) DL/76AUG74

AMINO ACIDS (metabolism); ANIMAL EXPERIMENTS (analysis); CARBON DIOXIDE (metabolism); DIABETES MELLITUS (metabolism); DIAPHRAGM (metabolism); IN VITRO; INSULIN (deficiency, pharmacodynamics); LEUCINE (metabolism); MALE; METHYLENE BLUE (pharmacodynamics); MUSCLES (metabolism); OXIDATION-REDUCTION; PYRUVATES (pharmacodynamics); RATS; TISSUE CULTURE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

### Bustamante JB

A STUDY OF THE METABOLISM OF ZINC ITS METALLOENZYMES IN DIABETES MELLITUS. Mateo MC, Bustamante JB, Quiros JF, Manchado OO *Biomedicine [Express]* 23: 134-6, 30 Apr 75 (Eng) DL/76AUG7

### Butcher FR

CYCLIC GUANOSINE 3:5-MONOPHOSPHATE AND THE REGULATION OF LIPOLYSIS IN RAT FAT CELLS. Fain JN, Butcher FR *J Cyclic Nucleotide Res* 2: 71-8, 1976 (Eng) DL/76AUG153

### Buttazzoni E

[A FURTHER CASE OF MALIGNANT HYPERTENSION AND ITS TREATMENT WITH LIDOCaine, METHYLPREDNISOLONE AND VERAPAMIL (PROVERATril) (AUTHORS TRANSLJ] Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446

### Butturini U

[CLINICAL ASPECTS OF DIABETES MELLITUS] Butturini U *G Clin Med* 55: 337-53, May 74 (Ita) DL/76AUG97

DIABETES MELLITUS (complications, physiopathology); HUMAN.

### Buur VA

THE EFFECT OF ETHYLURETHANE ON HEMATOCRIT, BLOOD PRESSURE AND PLASMA-GLUCOSE. Van Der Meer C, Verhuys-Broers JA, Tuynman HA, Buur VA *Arch Int Pharmacodyn Ther* 217: 257-75, Oct 75 (Eng) \*DL/76AUG901

### Cabero L

AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR. Esteban-Altirriba J, Rene AM, Duran P, Cabero L, Giralt E, Carreras M, Garcia-Cambronero MT *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724

### Caccamo A

THE EFFECT OF ALPHAI-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN. Caccamo A, Garlaschi C, di Natale B, del Guercio MJ, Chiumello G *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705

ADOLESCENCE; AGE FACTORS; ARGININE (pharmacodynamics); BLOOD SUGAR (metabolism); CHILD; CORTICOTROPIN (pharmacodynamics); EXERTION; FEMALE; HUMAN; HYDROCORTISONE (blood); MALE; PITUITARY GLAND (drug effects); PUBERTY; SOMATOTROPIN (blood); STIMULATION, CHEMICAL.

### Cagol PP

[EFFECTS OF GLUCAGON ON THE GASTRIC MICROCIRCULATION OF THE RAT] Cagol PP, Dodi G, Zanoni GF *Chir Patol Sper* 23: 111-4, Jun 75 (Ita) DL/76AUG61

ANIMAL EXPERIMENTS (analysis); ENGLISH ABSTRACT; GLUCAGON (pharmacodynamics); MICROCIRCULATION (drug effects); RATS; STOMACH (blood supply).

### Cahill GF Jr.

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

### Calandra P

SKIN AND DIABETES. I. INCIDENCE OF DIABETES IN A SAMPLE OF HEALTHY SUBJECTS. Binazzi M, Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 197-206, Sep-Dec 74 (Eng) DL/76AUG127

SKIN AND DIABETES. II. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH HERPES ZOSTER. Calandra P, Lisi P *Ital Gen Rev Dermatol* 11: 207-13, Sep-Dec 74 (Eng) DL/76AUG128

ADOLESCENCE; ADULT; AGED; DIABETES MELLITUS (complications, occurrence); FEMALE; HERPES ZOSTER (complications); HUMAN; ITALY; MALE; MIDDLE AGE.

SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG. Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 215-20, Sep-Dec 74 (Eng) DL/76AUG129

### Callahan F

THE ELECTRORETINOGRAM AFTER PERIPHERAL RETINAL ABLATION IN DIABETIC RETINOPATHY. Ogden TE, Callahan F, Riekhoff FT *Am J Ophthalmol* 81: 397-402, Apr 76 (Eng) DL/76AUG434

### Calle C

POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN. Marco J, Hedo JA, Martinell J, Calle C, Villanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

### Camanni F

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

### Campailla E

STIMULATION OF 45CA EFFLUX FROM SMOOTH MUSCLE CELLS BY METABOLIC INHIBITION AND HIGH K DEPOLARIZATION. Van Breemen C, Wuytack F, Casteels R, Martinelli B, Campailla E, Ferrari G *Pfluegers Arch* 359: 183-96, 9 Sep 75 (Eng) \*DL/76AUG758

### Campbell CD

THE USE OF EXPANDED MICROPOROUS POLYTETRAFLUOROETHYLENE FOR LIMB SALVAGE: A PRELIMINARY REPORT. Campbell CD, Brooks DH, Webster MW, Bahnsen HT *Surgery* 79: 485-91, May 76 (Eng) DL/76AUG347

AGED; ANGIOGRAPHY; ATHEROSCLEROSIS (complications); BLOOD VESSEL PROSTHESIS (standards); CORONARY DISEASE

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### Campbell IW

THERAPEUTIC EXPERIENCE WITH FLUDROCORTISONE IN DIABETIC POSTURAL HYPOTENSION. Campbell IW, Ewing DJ, Clarke BF *Br Med J* 1: 872-4, 10 Apr 76 (Eng) DL/76AUG19

ADULT; AGED; BLOOD PRESSURE; CLINICAL RESEARCH; DIABETIC NEUROPATHIES (drug therapy); DOSE-RESPONSE RELATIONSHIP, DRUG; FEMALE; FLUDROCORTISONE (therapeutic use); HEART FAILURE, CONGESTIVE (complications); HUMAN; HYPOTENSION, ORTHOSTATIC (complications, drug therapy); MALE; MIDDLE AGE; NEPHROTIC SYNDROME (complications).

### Canalis EM

FACTORS INFLUENCING BONE FORMATION IN ORGAN CULTURE. Raisz LG, Dietrich JW, Canalis EM *Int J Med Sci* 12: 108-14, Feb 76 (Eng) DL/76AUG130

### Canestrini C

EXPERIMENTAL ATHEROSCLEROSIS IN THE RAT: BIOCHEMICAL EVALUATION. Testa R, Canestrini C, Oldani C *J Pharm Pharmacol* 27: 699-700, Sep 75 (Eng) \*DL/76AUG725

### Capildeo R

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197

### Carafoli E

THE ROLE OF MITOCHONDRIA IN THE CONTRACTION-RELAXATION CYCLE AND OTHER CA2+-DEPENDENT ACTIVITIES OF HEART CELLS. Carafoli E *Recent Adv Stud Cardiac Struct Metab* 5: 151-63, 1975 (Eng) \*DL/76AUG828

ANIMAL EXPERIMENTS; CALCIUM (metabolism); IONOPHORES (pharmacodynamics); KINETICS; MITOCHONDRIA, MUSCLE (metabolism, drug effects, enzymology); MODELS, BIOLOGICAL; MYOCARDIAL CONTRACTION; MYOCARDIUM (metabolism, ultrastructure); RATS; RUTHENIUM RED (pharmacodynamics); SODIUM (pharmacodynamics); TROPONIN (metabolism); UNCOUPLING AGENTS (pharmacodynamics).

### Carapezzi C

[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Plummeri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

[DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE 1. COMPARISON OF THE 2 DIAGNOSTIC METHODS] Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Plummeri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99

### Card RT

[INFLUENCE OF HYPOPHOSPHATEMIA ON ERYTHROCYTE METABOLISM IN DIABETIC KETO-ACIDOSIS] Lonnais J, Card

- RT, Brain MC *Union Med Can* 104: 560-4, Apr 75 (Fre) DL/76AUG354
- Carmina E**  
[BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBESE SUBJECTS] Lanzara P, Marozzi P, Carmina E, Janni A *Pediatrics (Napoli)* 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291
- Carrell RW**  
OBESITY IN A NEW ZEALAND COMMUNITY. Benson-Cooper D, Bird D, Laing JK, Hannah EE, Carrell RW, Beaven DW *NZ Med J* 82: 115-9, 27 Aug 75 (Eng) \*DL/76AUG754
- Carrera D**  
PROCEEDINGS: NEW SYNTHETIC DERIVATIVES OF NATURAL CYCLIC NUCLEOTIDES: THEIR EFFECT ON PLATELET BEHAVIOUR. Pareti FI, Mannucci L, Carrera D, Mannucci PM *Thromb Haemorrh* 34: 335-6, 30 Sep 75 (Eng) \*DL/76AUG851
- Carreras M**  
AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR. Esteban-Altririba J, Rene AM, Duran P, Cabero L, Giralt E, Carreras M, Garcia-Cambronero MT *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724
- Carter KJ**  
LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES: USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879
- Cassar J**  
SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY. Cassar J, Mashiter K, Sullivan G, Joplin GF *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408
- ACROMEGALY (blood); ADULT; BLOOD SUGAR (metabolism); ERGOLINES (therapeutic use); ERGOT ALKALOIDS (diagnostic use, therapeutic use); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; MALE; MIDDLE AGE; SOMATOTROPIN (blood); 2-BROMOERGOCRYPTINE (diagnostic use, therapeutic use).
- Casteels R**  
STIMULATION OF 45CA EFFLUX FROM SMOOTH MUSCLE CELLS BY METABOLIC INHIBITION AND HIGH K DEPOLARIZATION. Van Breemen C, Wuytack F, Casteels R, Martinelli B, Campailla E, Ferrari G *Pfluegers Arch* 359: 183-96, 9 Sep 75 (Eng) \*DL/76AUG758
- ACTIVE AND PASSIVE CA<sup>2+</sup> FLUXES ACROSS CELL MEMBRANES OF THE GUINEA-PIG TAENIA COLI** Casteels R, Van Breemen C *Pfluegers Arch* 359: 197-207, 9 Sep 75 (Eng) \*DL/76AUG759
- ADENOSINE TRIPHOSPHATE (antagonists & inhibitors); ANIMAL; BIOLOGICAL TRANSPORT; BIOLOGICAL TRANSPORT, ACTIVE; CALCIUM (metabolism); CELL MEMBRANE PERMEABILITY (drug effects); CELL MEMBRANE (metabolism); COLON (metabolism); DINITROPHENOLS (pharmacodynamics); EXTRACELLULAR SPACE (metabolism); EGTA; GUINEA PIGS; IODOACETATES (pharmacodynamics); LITHIUM; MALE; MUSCLE, SMOOTH (metabolism); SODIUM (metabolism); TEMPERATURE.
- Castelli A**  
[CLINICAL AND LABORATORY PROBLEMS IN RADIOIMMUNOLOGIC DETERMINATION] Castelli A *Quad Scavo Diagn* 11: 179-82, Jun 75 (Ita) DL/76AUG326
- BINDING SITES, ANTIBODY; CORTICOTROPIN (blood); HUMAN; HYPERTHYROIDISM (blood); INSULIN (blood); RADIOIMMUNOASSAY; THYROXINE (blood); THYROXINE-BINDING PROTEIN.
- Cathelineau G**  
[LETTER: HL-A GROUPS IN JUVENILE DIABETES] Cathelineau G, Cathelineau L, Hors J, Schmid M, Dausset J *Nouv Presse Med* 5: 586, 28 Feb 76 (Fre) DL/76AUG299
- ADOLESCENCE; ADULT; AGE FACTORS; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (immunology); HISTOCOMPATIBILITY ANTIGENS; HL-A; HUMAN; INFANT; INFANT, NEWBORN.
- Cathelineau L**  
[LETTER: HL-A GROUPS IN JUVENILE DIABETES] Cathelineau G, Cathelineau L, Hors J, Schmid M, Dausset J *Nouv Presse Med* 5: 586, 28 Feb 76 (Fre) DL/76AUG299
- Catfran DC**  
INHIBITION OF LIPOPROTEIN LIPASE BY UREMIC PLASMA, A POSSIBLE CAUSE OF HYPERTRIGLYCERIDEMIA. Murase T, Catfran DC, Rubenstein B, Steiner G *Metabolism* 24: 1279-86, Nov 75 (Eng) \*DL/76AUG745
- Caulfield JB**  
EFFECT OF MANNITOL ON MITOCHONDRIAL MORPHOLOGY IN HYPOXIC MYOCARDIUM. Caulfield JB, Willerson JT, Weisfeldt ML, Powell WJ Jr *Recent Adv Stud Cardiac Struct Metab* 3: 753-62, 1973 (Eng) \*DL/76AUG811
- ANIMAL EXPERIMENTS; ANOXIA (pathology); CATS; DOGS; IN VITRO; MANNITOL (pharmacodynamics); MITOCHONDRIA, MUSCLE (pathology, drug effects); MITOCHONDRIAL SWELLING (drug effects); MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (pathology, ultrastructure); PAPILLARY MUSCLES.
- Cavagnini F**  
[CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavagnini F, Peracchi M, Panerai AE, Pinto M *Quad Scavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328
- ADULT; AGED; ANTIGENS; ENGLISH ABSTRACT; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; HYPERTHYROIDISM (blood, diagnosis, physiopathology); INSULIN (blood, secretion); MALE; MIDDLE AGE; SOMATOTROPIN (blood, secretion).
- Ceccato S**  
[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palumieri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98
- [DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE I. COMPARISON OF THE 2 DIAGNOSTIC METHODS] Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Palumieri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99
- Cederblad G**  
EFFECT OF CLOFIBRATE ON PLASMA PROTEINS INCLUDING COMPONENTS OF THE HEMOSTATIC MECHANISM. Cederblad G, Korsan-Bengtson K *Clin Chim Acta* 66: 9-17, 2 Jan 76 (Eng) DL/76AUG41
- ADULT; ATHEROSCLEROSIS (blood, physiopathology); BLOOD PROTEINS (physiology); CLOFIBRATE (pharmacodynamics); DIABETES MELLITUS (blood, physiopathology); FIBRINOLYSIS (physiology); HEMOSTASIS (drug effects); HUMAN; MALE; MYOCARDIAL INFARCT (blood, physiopathology); PLATELET ADHESIVENESS (drug effects).
- Cermak K**  
[GAMMA GLUTAMYL-TRANSEPTIDASE ACTIVITY AND FREE FATTY ACID LEVEL IN DIABETES (AUTHORS TRANSL)] Stork A, Skachova J, Kozakova B, Fabian E, Fabianova J, Cermak K *Cas Lek Cesk* 115: 384-7, 2 Apr 76 (Cze) DL/76AUG28
- Certin M**  
[LETTER: HYPOGLYCEMIA DURING BETA BLOCKING TREATMENT] Certin M, Wechsler B, Blety O, Godeau P *Nouv Presse Med* 5: 862, 27 Mar 76 (Fre) DL/76AUG296
- ANGINA PECTORIS (drug therapy); CASE REPORT; DIABETES MELLITUS (complications); FASTING (adverse effects); HUMAN; HYPOGLYCEMIA (chemically induced); INSULIN (secretion); MALE; MIDDLE AGE; PINDOLOL (adverse effects, therapeutic use); SECRETORY RATE (drug effects).
- Cession-Fossion A**  
[INFLUENCE OF MUSCULAR EXERCISE ON BLOOD CATECHOLAMINE LEVELS IN RATS] Rodigas P, Cession-Fossion A, Lecomte J *C R Soc Biol (Paris)* 169: 257-61, 1975 (Fre) \*DL/76AUG649
- Chabert JM**  
CONVERSION OF SORBITOL TO MANNITOL WHEN USED PARENTERALLY. Soummer-Dauphant AM, Chambon P, Chabert JM *Clin Chim Acta* 67: 325-8, 15 Mar 76 (Eng) DL/76AUG42
- Chaiken R**  
REGULATION OF PLATELET PHOSPHORYLASE. Chaiken R, Pagano D, Detwiler TC *Biochim Biophys Acta* 403: 315-25, 2 Oct 75 (Eng) \*DL/76AUG627
- A-23187 (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (blood); ANIMAL; BLOOD PLATELETS (enzymology, drug effects, metabolism); CALCIUM (pharmacodynamics); CYANIDES (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); ENZYME ACTIVATION (drug effects); GLYCOGEN PHOSPHORYLASE (blood); GLYCOGEN (blood); GLYCOLYSIS (drug effects); HUMAN; MAGNESIUM (pharmacodynamics); RATS; SPECTROMETRY, FLUORESCENCE; THEOPHYLLINE (pharmacodynamics); THROMBIN (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.
- Chain EB**  
EFFECT OF GLUCOSE ON ENZYME RELEASE FROM, AND RECOVERY OF, THE ANOXIC MYOCARDIUM. Hearse DJ, Chain EB *Recent Adv Stud Cardiac Struct Metab* 3: 763-72, 1973 (Eng) \*DL/76AUG812
- Chambon P**  
CONVERSION OF SORBITOL TO MANNITOL WHEN USED PARENTERALLY. Soummer-Dauphant AM, Chambon P, Chabert JM *Clin Chim Acta* 67: 325-8, 15 Mar 76 (Eng) DL/76AUG42

## Diabetes Literature—Author Index

### Chan WC

#### Chan WC

**LIPID ACCUMULATION IN A HEPATOCELLULAR CARCINOMA ASSOCIATED WITH HYPOGLYCAEMIA.** Chan WC, Ma I. *Pathology* 7: 299-305, Oct 75 (Eng) DL/76AUG287  
**CASE REPORT: HEPATOMA** (metabolism, pathology); **HISTOCYTOCHEMISTRY**; **HUMAN**; **HYPOGLYCEMIA** (complications, metabolism); **LIPIDS** (metabolism); **LIVER NEOPLASMS** (metabolism, pathology); **LIVER** (metabolism); **LIVER** (pathology, ultrastructure); **MALE**; **MIDDLE AGE**; **VACUOLES** (metabolism).

#### Chan YL

**HISTIDINE:PYRUVATE TRANSAMINATION AND PHENYLALANINE:PYRUVATE TRANSAMINATION MAY BE CATALYZED BY THE SAME ENZYME.** Shih JC, Chiu RH, Chan YL. *Biochem Biophys Res Commun* 68: 1348-51, 23 Feb 76 (Eng) DL/76AUG468

**EFFECT OF PARATHYROID HORMONE ON RENAL TUBULAR FLUID AND GLUCOSE REABSORPTION.** Baumann K, Chan YL, Bode F, Papavasiliou F, Wagner M. *Curr Probl Clin Biochem* 4: 223-8, 1975 (Eng) \*DL/76AUG488

**REABSORPTION OF D-GLUCOSE FROM VARIOUS REGIONS OF THE RAT PROXIMAL CONVOLUTED TUBULE: EVIDENCE THAT THE PROXIMAL CONVOLUTION IS NOT HOMOGENEOUS.** Bode F, Chan YL, Goldner AM, Papavasiliou F, Wagner M, Baumann K. *Curr Probl Clin Biochem* 4: 39-43, 1975 (Eng) \*DL/76AUG490

#### Chance B

**CHARGE DISTRIBUTION.** Chance B. *Biophys J* 15: 953-4, Sep 75 (Eng) \*DL/76AUG637  
**BACTERIORHODOPSIN**; **ELECTRON TRANSPORT**; **ENERGY TRANSFER**; **MEMBRANE POTENTIALS**; **PHOTOSYNTHESIS**.

#### Chang C

**LONGITUDINAL STUDIES ON ADIPOSE TISSUE AND ITS DISTRIBUTION IN HUMAN SUBJECTS.** Chien S, Peng MT, Chen KP, Huang TF, Chang C, Fang HS. *J Appl Physiol* 39: 825-30, Nov 75 (Eng) \*DL/76AUG708

#### Chang CT

**LETTER: OLIGOPEPTIDES AS POTENTIAL ANTIAGGREGATION AGENT FOR PROTEINS: HEMOGLOBIN'S GEL AND INSULIN DIMER.** Kubota S, Chang CT, Samejima T, Yang JT. *J Am Chem Soc* 98: 2677-8, 28 Apr 76 (Eng) DL/76AUG154

#### Chapman B

**PREPARATION OF ISLETS OF LANGERHANS FROM RABBITS AND HAMSTERS BY THE COLLAGENASE DIGESTION TECHNIQUE.** Feldman JM, Chapman B. *Acta Diabetol Lat* 12: 208-18, May-Aug 75 (Eng) DL/76AUG403

#### Chapman D

**PHASE TRANSITIONS AND FLUIDITY CHARACTERISTICS OF LIPIDS AND CELL MEMBRANES.** Chapman D. *Q Rev Biophys* 8: 185-235, May 75 (Eng) [246] \*DL/76AUG786  
**ACHOLEPLASMA LAIDLAWII** (ultrastructure); **ANIMAL**; **CATIONS**; **DIVALENT**; **CELL MEMBRANE** (ultrastructure, analysis); **CRYSTALLIZATION**; **ERYTHROCYTES** (ultrastructure); **ESCHERICHIA COLI** (ultrastructure); **LIPIDS** (analysis); **MEMBRANES**; **ARTIFICIAL**; **MODELS**; **BIOLOGICAL**; **MOLECULAR CONFORMATION**; **NUCLEAR MAGNETIC RESONANCE**; **PEPTIDES**; **PHOSPHOLIPIDS** (analysis); **PRESSURE**; **PROTEINS**; **REVIEW**; **SACCHAROMYCES CEREVISIAE** (ultrastructure); **SOLUBILITY**; **STRUCTURE-ACTIVITY RELATIONSHIP**; **TEMPERATURE**.

#### Chapman JB

**FLUOROMETRIC AND MYOTHERMIC STUDIES OF CARDIAC ENERGETICS.** Chapman JB, Gibbs CL. *Recent Adv Stud Cardiac Struct Metab* 5: 449-55, 1975 (Eng) \*DL/76AUG835  
**ANIMAL**; **ENERGY METABOLISM**; **GLUCOSE** (metabolism); **HEAT**; **IN VITRO**; **MYOCARDIAL CONTRACTION**; **MYOCARDIUM** (metabolism); **NAD** (metabolism); **PYRUVATES** (metabolism); **RABBITS**.

#### Chard T

**THE DISTRIBUTION OF PLACENTAL LACTOGEN IN THE HUMAN TERM PLACENTA.** Gau G, Chard T. *Br J Obstet Gynaecol* 82: 790-3, Oct 75 (Eng) \*DL/76AUG473

#### Charles MA

**ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION.** Charles MA, Imagawa W, Forsham PH, Grodsky GM. *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70

**ANIMAL EXPERIMENTS** (analysis); **BLOOD SUGAR** (metabolism); **DIABETES MELLITUS** (chemically induced, therapy); **GLUCAGON** (secretion); **INSULIN** (secretion); **ISLANDS OF LANGERHANS** (secretion, transplantation); **LIVER** (secretion); **MALE**; **PERFUSION**; **PORTAL VEIN** (surgery); **RATS**; **RATS**; **INBRED LEW**; **STREPTOZOTOCIN**; **TRANSPLANTATION**; **ISOGENEIC**; **UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**

#### Chase HP

**PEDIATRICS: OFFICE MANAGEMENT OF DIABETES MELLITUS IN CHILDREN.** Chase HP. *Postgrad Med* 59: 243-53, May 76 (Eng) DL/76AUG313

**ACIDOSIS**; **DIABETIC** (etiology); **AMBULATORY CARE**; **CHILD**; **DIABETES MELLITUS**; **JUVENILE** (complications, drug therapy, therapy); **DIABETIC DIET**; **EMOTIONS**; **GLYCOSURIA**; **HEALTH EDUCATION**; **HUMAN**; **HYPOGLYCEMIA** (etiology); **INSULIN** (administration & dosage, therapeutic use); **KETO ACIDS**; **SWINE**.

#### Chatterjee AK

**THE RATES OF TISSUE PROTEIN SYNTHESIS IN VIVO IN HYPOPHYSECTOMIZED AND PAIR-FED CONTROL RATS.** Millward DJ, Nnamyeugo DO, Chatterjee AK. *Proc Nutr Soc* 34: 95a-96a, Sep 75 (Eng) \*DL/76AUG776

#### Chen CH

**MODIFICATION OF INTENSITY AND DIRECTION OF ELECTRON FLOW ACROSS BILAYER MEMBRANES.** Chen CH, Berns DS. *Proc Natl Acad Sci USA* 72: 3407-11, Sep 75 (Eng) \*DL/76AUG762

**CELL-FREE SYSTEM**; **CHLOROPLASTS** (metabolism, ultrastructure); **LIGHT**; **MEMBRANE POTENTIALS** (drug effects); **MEMBRANES** (physiology); **PHYCOCYANIN** (pharmacodynamics); **PHYCOERYTHRIN** (pharmacodynamics); **UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**; **UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.**

#### Chen KP

**LONGITUDINAL STUDIES ON ADIPOSE TISSUE AND ITS DISTRIBUTION IN HUMAN SUBJECTS.** Chien S, Peng MT, Chen KP, Huang TF, Chang C, Fang HS. *J Appl Physiol* 39: 825-30, Nov 75 (Eng) \*DL/76AUG708

#### Cheng KW

**PROPERTIES OF FOLLICLE-STIMULATING-HORMONE RECEPTOR IN CELL MEMBRANES OF BOVINE TESTIS.** Cheng KW. *Biochem J* 149: 123-32, Jul 75 (Eng) \*DL/76AUG912

**ANIMAL**; **BINDING SITES**; **CATTLE**; **CELL MEMBRANE** (metabolism); **EDTA** (pharmacodynamics); **FSH** (metabolism); **HUMAN**; **KINETICS**; **MALE**; **OSMOLAR CONCENTRATION**; **PHILIPPINES**; **PROTEIN BINDING**; **PROTEINS** (metabolism); **RECEPTORS**; **HORMONE**; **SUBCELLULAR FRACTIONS** (metabolism); **TEMPERATURE**; **TESTIS** (metabolism).

#### Chernecki W

**CARDIAC AND METABOLIC EFFECTS OF DIBUTYRYL CYCLIC AMP IN THE INTACT DOG HEART AND THE ISOLATED PERFUSED RAT HEART.** Dhalla NS, Chernecki W, Gandhi SS, McNamara DB, Naimark A. *Recent Adv Stud Cardiac Struct Metab* 3: 233-50, 1973 (Eng) \*DL/76AUG793

#### Chernish SM

**OPTIMAL VISUALIZATION OF ESOPHAGEAL VARICES.** Cockerill EM, Miller RE, Chernish SM, McLaughlin GC 3d, Rodda BE. *Am J Roentgenol* 126: 512-23, Mar 76 (Eng) DL/76AUG440

#### Cheung WY

**BREVIBACTERIUM LIQUEFACIENS ADENYLATE CYCLASE AND ITS IN VIVO STIMULATION BY PYRUVATE.** Lynch TJ, Tallant EA, Cheung WY. *J Bacteriol* 124: 1106-12, Dec 75 (Eng) \*DL/76AUG524

#### Chevli R

**CHLOROQUINE RESISTANCE IN MALARIA: VARIATIONS OF SUBSTRATE-STIMULATED CHLOROQUINE ACCUMULATION.** Fitch CD, Chevli R, Gonzalez Y. *J Pharmacol Exp Ther* 195: 389-96, Dec 75 (Eng) \*DL/76AUG551

#### Chew CS

**INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOGEN PHOSPHORYLASE.** Rinard GA, Chew CS. *Life Sci* 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572

#### Chiche P

**[USE OF DOPAMINE IN THE TREATMENT OF CARDIOGENIC SHOCK. PRELIMINARY RESULTS]** Chiche P, Baligado S. *Ann Anesthesiol Fr* 16: 705-10, Dec 75 (Fre) DL/76AUG448  
**AGED**; **DIURESIS** (drug effects); **DOPAMINE** (therapeutic use); **ENGLISH ABSTRACT**; **FEMALE**; **FUROSEMIDE** (therapeutic use); **GLUCAGON** (therapeutic use); **HUMAN**; **ISOPROTERENOL** (therapeutic use); **MALE**; **MIDDLE AGE**; **MYOCARDIAL INFARCT** (complications); **OUABAIN** (therapeutic use); **SHOCK**; **CARDIOGENIC** (drug therapy, etiology); **VENOUS PRESSURE** (drug effects).

#### Chien S

**LONGITUDINAL STUDIES ON ADIPOSE TISSUE AND ITS DISTRIBUTION IN HUMAN SUBJECTS.** Chien S, Peng MT, Chen KP, Huang TF, Chang C, Fang HS. *J Appl Physiol* 39: 825-30, Nov 75 (Eng) \*DL/76AUG708  
**ADIPOSE TISSUE**; **ADULT**; **AGING**; **ANTHROPOMETRY** (methods); **BODY WEIGHT**; **FEMALE**; **HUMAN**; **MALE**; **MATHEMATICS**; **MIDDLE AGE**; **POTASSIUM** (analysis); **SKINFOLD THICKNESS**; **TAIWAN**; **UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**; **UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.**

#### Chirulescu Z

**CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT.** Steinbach M, Constantinescu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciu A.



## Diabetes Literature—Author Index

Cockerill EM

Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

### Chisholm DJ

EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE. Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23

### Chiu RH

HISTIDINE:PYRUVATE TRANSAMINATION AND PHENYLALANINE:PYRUVATE TRANSAMINATION MAY BE CATALYZED BY THE SAME ENZYME. Shih JC, Chiu RH, Chan YL *Biochem Biophys Res Commun* 68: 1348-55, 23 Feb 76 (Eng) DL/76AUG468

### Chiumello G

THE EFFECT OF ALPHA-1-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN. Caccamo A, Garlaschi C, di Natale B, del Guercio MJ, Chiumello G *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705

### Chlapowski FJ

THE EFFECTS OF HORMONES ON CYCLIC ADENOSINE 3,5-MONOPHOSPHATE ACCUMULATION IN TRANSITIONAL EPITHELIUM OF THE URINARY BLADDER. Chlapowski FJ *J Cyclic Nucleotide Res* 1: 193-205, 1975 (Eng) DL/76AUG152

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ALDOSTERONE (pharmacodynamics); ANIMAL EXPERIMENTS (analysis); BLADDER (drug effects, metabolism, ultrastructure); CORTICOTROPIN (pharmacodynamics); EPINEPHRINE (pharmacodynamics); EPITHELIAL CELLS (drug effects, metabolism, ultrastructure); GLUCAGON (pharmacodynamics); HORMONES (pharmacodynamics); INSULIN (pharmacodynamics); MALE; MICROSCOPY; ELECTRON; OXYTOCIN (pharmacodynamics); PARATHYROID HORMONE (pharmacodynamics); PROTAGLANDINS E (pharmacodynamics); RABBITS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VASOPRESSIN (pharmacodynamics); XANTHINES (pharmacodynamics).

### Chlouverakis C

SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES. Bernardis LL, Goldman JK, Chlouverakis C, Frohman LA *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205

### Chou PY

PREDICTION OF PROTEIN CONFORMATION: CONSEQUENCES AND ASPIRATIONS. PP. 114-25. Fasman GD, Chou PY *In: Blout ER, et al., ed. Peptides, polypeptides and proteins*. New York, Wiley, 1974. W3R441K 1974p. (Eng) [55] DL/76AUG161

### Christiansen J

INHIBITION OF GASTRIC ACID SECRETION IN MAN BY EXOGENOUS AND ENDOGENOUS PANCREATIC GLUCAGON. Christiansen J, Holst JJ, Kalaja E *Gastroenterology* 70: 688-92, May 76 (Eng) DL/76AUG101

ADULT; ARGININE (pharmacodynamics); DEPRESSION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; FEMALE; GASTRIC JUICE (secretion); GASTRIC MUCOSA (drug effects); GLUCAGON (pharmacodynamics, physiology, secretion); HUMAN; KINETICS; MALE; MIDDLE AGE; PANCREAS (secretion); PENTAGASTRIN (pharmacodynamics).

### Christiansen JS

LETTER: DIAGONAL EAR-LOBE CREASE AND DIABETIC RETINAL ANGIOPATHY. Andersen AR, Christiansen JS, Jensen JK *N Engl J Med* 294: 1182-3, 20 May 76 (Eng) DL/76AUG262

### Chudacek Z

[IMMUNOREACTIVE INSULIN IN OBESE PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL)] Karlick V, Topolcan O, Chudacek Z *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29

### Chung CS

FACTORS AFFECTING RISKS OF CONGENITAL MALFORMATIONS. II. EFFECT OF MATERNAL DIABETES ON CONGENITAL MALFORMATIONS. Chung CS, Myrianthopoulos NC *Birth Defects* 11: 23-38, 1975 (Eng) [36] DL/76AUG8

ABNORMALITIES (etiology, occurrence); CENTRAL NERVOUS SYSTEM (abnormalities); FEMALE; GASTROINTESTINAL SYSTEM (abnormalities); HEART DEFECTS, CONGENITAL (occurrence); HUMAN; INFANT, NEWBORN; LUNG (abnormalities); MUSCULOSKELETAL SYSTEM (abnormalities); PREGNANCY IN DIABETES (complications); PREGNANCY; RACIAL STOCKS; REVIEW; RISK; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES; UROGENITAL SYSTEM (abnormalities).

### Chylack LT Jr

THE CHARACTERIZATION OF THE HEXOKINASES IN SEVERAL TISSUES OF THE CALF EYE. Chylack LT Jr *Invest Ophthalmol* 14: 854-62, Nov 75 (Eng) \*DL/76AUG704

ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL; CATTLE; CILIARY BODY (enzymology); CORNEA (enzymology); ELECTROPHORESIS, STARCH GEL; ENZYME ACTIVATION; EPITHELIUM (enzymology); EYE (enzymology); GLUCOSE (metabolism); HEXOKINASE (metabolism); LENS; CRYSTALLINE (enzymology); RETINA (enzymology); SCLERA (enzymology); SOLUBILITY; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VITREOUS BODY (enzymology).

### Ciammaichella A

[PHYSIOPATHOLOGY, CLINICAL ASPECTS AND TREATMENT OF DIABETIC ANGIOPATHIES] Ciammaichella A *Clin Ter* 74: 109-21, 31 Jul 75 (Ita) DL/76AUG48

DIABETIC ANGIOPATHIES (diagnosis, drug therapy, physiopathology); GLUCOSAMINE (therapeutic use); HUMAN; INSULIN (therapeutic use); POLYSACCHARIDES (therapeutic use).

### Ciani S

THE KINETICS OF CARRIER-MEDIATED ION PERMEATION IN LIPID BILAYERS AND ITS THERORETICAL INTERPRETATION. Laprade R, Ciani S, Eisenman G, Szabo G *Membranes* 3: 127-214, 1975 (Eng) [24] \*DL/76AUG575

### Cicogna R

[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275

[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERINSULINISM AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS] Rusconi C, Cicogna R, Orlando G,

Guerra U, Peroni A *Minerva Cardiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

### Cieslinski L

THE EFFECT OF 3-MERCAPTOPYRICOLINIC ACID ON PHOSPHOENOLPYRUVATE CARBOXYKINASE (GTP) IN THE RAT AND GUINEA PIG. Kostos V, DiTullio NW, Rush J, Cieslinski L, Saunders HL *Arch Biochem Biophys* 171: 459-65, Dec 75 (Eng) \*DL/76AUG614

### Civeira E

[EVOLUTION OF THE DIABETIC RETINOTHERAPY IN CONNECTION WITH THE TYPE AND DURATION OF DIABETES, PATIENTS AGE AND BLOOD PRESSURE (AUTHORS TRANSL)] Civeira F, Civeira E *Folia Clin Int (Barc)* 25: 524-37, Oct 75 (Spa) DL/76AUG94

### Civeira F

[EVOLUTION OF THE DIABETIC RETINOTHERAPY IN CONNECTION WITH THE TYPE AND DURATION OF DIABETES, PATIENTS AGE AND BLOOD PRESSURE (AUTHORS TRANSL)] Civeira F, Civeira E *Folia Clin Int (Barc)* 25: 524-37, Oct 75 (Spa) DL/76AUG94

ADULT; AGE FACTORS; AGED; BLOOD PRESSURE; CHILD; DIABETIC RETINOPATHY (etiology, physiopathology); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERTENSION (complications); MALE; MIDDLE AGE; NUTRITION DISORDERS (complications); TIME FACTORS.

### Claeys-De Clercq P

STUDY OF GROWTH HORMONE SECRETION IN LUNG CARCINOMA. Claeys-De Clercq P, Levin S, Borkowski A *Eur J Cancer* 11: 565-9, Aug 75 (Eng) DL/76AUG85

ACROMEGALY (blood); GLUCOSE TOLERANCE TEST; HUMAN; LUNG NEOPLASMS (blood); MALE; SOMATOTROPIN (blood).

### Clarke BF

THERAPEUTIC EXPERIENCE WITH FLUDROCORTISONE IN DIABETIC POSTURAL HYPOTENSION. Campbell IW, Ewing DJ, Clarke BF *Br Med J* 1: 872-4, 10 Apr 76 (Eng) DL/76AUG19

### Clarke JS

GLUCOCORTICOID THERAPY IN CHILDREN. EFFECT ON SOMATOMEDIN SECRETION. Elders MJ, Wingfield BS, McNatt ML, Clarke JS, Hughes ER *Am J Dis Child* 129: 1393-6, Dec 75 (Eng) \*DL/76AUG606

### Classen HG

[CHROMAFFINE TUMOURS: DIAGNOSIS AND CATAMNOSTIC FEATURES BASED ON THE DATA COLLECTED AT THE INSTITUTE OF EXPERIMENTAL THERAPY BETWEEN 1949 AND 1974 (AUTHORS TRANSL)] Ebel H, Classen HG *Arzneim Forsch* 25: 1610-21, Oct 75 (Ger) \*DL/76AUG621

### Cleasby GW

SIMPLIFIED PERIMETRY. Hall DL, Cleasby GW *Ann Ophthalmol* 8: 279-82, Mar 76 (Eng) DL/76AUG451

### Cockerill EM

OPTIMAL VISUALIZATION OF ESOPHAGEAL VARICES. Cockerill EM, Miller RE, Chernish SM, McLaughlin GC 3d, Rodda BE *Am J Roentgenol* 126: 512-23, Mar 76 (Eng) DL/76AUG440

ADULT; CLINICAL RESEARCH; ESOPHAGEAL VARICES (radiography); GLUCAGON (diagnostic use); HUMAN; MALE; MIDDLE AGE; PLACEBOS; POSTURE; PROPANETHYLENE BROMIDE (diagnostic use); RESPIRATION.

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### Cocola F

#### Cocola F

**INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG.** Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

#### Cohen G

**ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE.** Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

#### Cohen P

**PATTERNS OF FATTY ACID RELEASE FROM ENDOGENOUS SUBSTRATES BY HUMAN PLATELET HOMOGENATES AND MEMBRANES.** Derksen A, Cohen P *J Biol Chem* 250: 9342-7, 25 Dec 75 (Eng) \*DL/76AUG534

#### Cohen PJ

**EDITORIAL: MORE ON LACTATE.** Cohen PJ *Anesthesiology* 43: 614-6, Dec 75 (Eng) \*DL/76AUG886

**ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ALKALOSIS, RESPIRATORY (enzymology); ANAEROBOSIS; ANIMAL; ANOXIA (metabolism); DOGS; GLUCONEOGENESIS; HUMAN; LACTATES (metabolism); PHILIPPINES; PHOSPHOFRUCTOKINASE (metabolism); RESPIRATION; SYMPATHETIC NERVOUS SYSTEM (physiopathology).**

#### Cohen S

**HORMONAL CONTROL OF ESOPHAGEAL FUNCTION.** Snape WJ Jr, Cohen S *Arch Intern Med* 136: 538-42, May 76 (Eng) DL/76AUG457

#### Cohen SI

**LETTER: RECOVERABLE ORGANIC PSYCHOSES AFTER HYPOPHYSECTOMY COMA.** Cohen SI *Br Med J* 1: 831, 3 Apr 76 (Eng) DL/76AUG18

**FEMALE; HUMAN; HYPOGLYCEMIA (complications); HYPOPHYSECTOMY (complications); PSYCHOSES, ORGANIC (etiology).**

#### Coleman HM 3rd

**ROLE OF MITOCHONDRIAL CALCIUM METABOLISM IN THE ALTERED CONTRACTILITY OF PRESSURE-HYPERTROPHIED RIGHT VENTRICULAR MYOCARDIUM.** Sack DW, Cooper G 4th, Stava RM Jr, Coleman HM 3rd, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 195-202, 1975 (Eng) \*DL/76AUG832

#### Collard F

**[CONTINUOUS STUDY OF RAPIDLY FLUCTUATING PARAMETERS IN THE STUDY OF GLUCOREGULATION]** Collard F, Orsetti A, Mirouze J *Pathol Biol (Paris)* 23: 747-52, Nov 75 (Fre) DL/76AUG286

**AUTOANALYSIS (methods); BLOOD SUGAR (analysis, metabolism); DIABETES MELLITUS (metabolism); ENGLISH ABSTRACT; HUMAN; HYPERTHYROIDISM (metabolism); INSULIN (blood).**

#### Collins AR

**COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA.** Bonkowski HL, Magnusen CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

#### Collins DC

**THE TRANSFER OF GLUCOSE TO STEROIDS BY CHIMPANZEE LIVER MICROSOMES.** Labow RS, Williamson DG, Layne DS, Collins DC *Can J Biochem* 53: 1028-30, Sep 75 (Eng) \*DL/76AUG652

#### Colman RW

**DETERMINANTS OF THE FORMATION AND ACTIVITY OF FACTOR V-PHOSPHOLIPID COMPLEXES. I. INFLUENCE OF PHOSPHOLIPID STRUCTURE.** Kandall CL, Shohet SB, Akinbami TK, Colman RW *Thromb Diath Haemorrh* 34: 256-70, 30 Sep 75 (Eng) \*DL/76AUG849

#### Conso F

**[LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN]** Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298

#### Constantineanu M

**CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT.** Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

#### Constantinescu C

**[CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS]** Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanescu I, Bena A, Stefan O *Rev Ig [Pneumofiziol]* 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843

#### Cooper DF

**VARIATIONS IN THE COMPOSITION OF BLOOD AND URINE FOLLOWING THE INGESTION OF A HIGH-PROTEIN DIET.** Heeley DM, Sharman IM, Cooper DF *Proc Nutr Soc* 34: 69a, Sep 75 (Eng) \*DL/76AUG771

#### Cooper G 4th

**ROLE OF MITOCHONDRIAL CALCIUM METABOLISM IN THE ALTERED CONTRACTILITY OF PRESSURE-HYPERTROPHIED RIGHT VENTRICULAR MYOCARDIUM.** Sack DW, Cooper G 4th, Stava RM Jr, Coleman HM 3rd, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 195-202, 1975 (Eng) \*DL/76AUG832

#### Coore HG

**THE MITOCHONDRIAL PYRUVATE CARRIER, ITS EXCHANGE PROPERTIES AND ITS REGULATION BY GLUCAGON.** Titheradge MA, Coore HG *FEBS Lett* 63: 45-50, 15 Mar 76 (Eng) DL/76AUG90

#### Coran AG

**TOTAL PARENTERAL NUTRITION IN INFANTS AND CHILDREN: CENTRAL AND PERIPHERAL APPROACHES.** Filler RM, Coran AG *Surg Clin North Am* 56: 395-412, Apr 76 (Eng) DL/76AUG346

#### Costa V

**[ELECTRON MICROSCOPE FINDINGS ON THE ENDOCRINE SYSTEM OF THE PANCREAS OF THE NEWBORN RAT]** Costa V *Arch De Vecchi Anat Patol* 60: 67-80, Aug 74 (Ita) DL/76AUG454

**ANIMAL EXPERIMENTS (analysis); ANIMALS, NEWBORN; CYTOPLASMIC GRANULES (ultrastructure); ISLANDS OF LANGERHANS (secretion, ultrastructure); PANCREATIC HORMONES (secretion); RATS.**

#### Costantini A

**RESULTS OF A COMPARATIVE STUDY ON INSULIN RADIOIMMUNOASSAY IN 36 ITALIAN LABORATORIES.** Costantini A, Lostia O, Malvano R, Rolleri E, Taggi F, Zucchelli GC *Pathol Biol (Paris)* 23: 873-83, Dec 75 (Eng) DL/76AUG285

**COMPARATIVE STUDY; INSULIN (blood); ITALY; RADIOIMMUNOASSAY (standards); STATISTICS.**

#### Costill DL

**LEG MUSCLE METABOLISM DURING EXERCISE IN THE HEAT AND COLD.** Fink WJ, Costill DL, Van Handel PJ *Eur J Appl Physiol* 34: 183-90, 15 Aug 75 (Eng) \*DL/76AUG673

#### Costin G

**CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH.** Costin G, Kogut MD, Phillips LS, Daughaday WH *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG142

**ANTIGENS; BLOOD SUGAR; CARBOHYDRATES (metabolism); CHILD; CHILD, PRESCHOOL; CRANIOPHARYNGIOMA (physiopathology, surgery); ENDOCRINE GLANDS (physiopathology); FEMALE; GLUCOSE (pharmacodynamics); GROWTH; HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (immunology, physiology); MALE; OBESITY (physiopathology); PROLACTIN (blood); SOMATOMEDIN (blood); SOMATOTROPIN (deficiency); TOLBUTAMIDE (administration & dosage); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).**

#### Cotenesu A

**[NUTRITION OF THE DIABETIC CHILD IN THE HOSPITAL AND AT HOME]** Cotenesu A *Viata Med [Medii Sanit]* 23: 4, Apr 75 (Rum) DL/76AUG359

**CHILD; CHILD, HOSPITALIZED; DIABETES MELLITUS, JUVENILE (diet therapy); DIABETIC DIET; HUMAN.**

#### Cotes PM

**RADIOIMMUNOASSAY AND SATURATION ANALYSIS. STANDARDIZATION AND STANDARDS.** Bingham DR, Cotes PM *Br Med Bull* 30: 12-7, Jan 74 (Eng) \*DL/76AUG642

#### Counis R

**[ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION]** Cresteil T, Counis R, Raulin J *Biochimie* 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4

#### Coy DH

**[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY]** Gonzalez-Barcelona D, Kastin AJ, Coy DH, Schleich DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

#### Craig WD

**HEMODYNAMIC AND METABOLIC ALTERATIONS IN PERIPHERAL TISSUE DURING HEMORRHAGIC SHOCK.** Shearburn EW 3d, Craig WD, Maitland CL, Howard PL, McCoy S, Drucker WR *Am Surg* 41: 696-703, Nov 75 (Eng) \*DL/76AUG890

#### Crapo P

**INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET.** Ginsberg H, Olefsky JM, Kimmeling G, Crapo P, Reaven GM *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145

## Crass MF 3d

**LIPID AND GLYCOGEN METABOLISM IN THE HYPOXIC HEART: EFFECTS OF EPINEPHRINE.** Crass MF 3d, Pieper GM *Am J Physiol* 229: 885-9, Oct 75 (Eng) \*DL/76AUG883

ANIMAL; ANOXIA (metabolism); CARBON DIOXIDE (biosynthesis); EPINEPHRINE (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (metabolism); GLUCOSE (biosynthesis); GLYCOGEN (metabolism); LIPIDS (metabolism); MALE; MYOCARDIUM (metabolism); OXIDATION-REDUCTION; PERFUSION (methods); PHOSPHOLIPIDS (metabolism); RATS; TRIGLYCERIDES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

## Crass MF 3rd

**HEART TRIGLYCERIDE AND GLYCOGEN METABOLISM: EFFECTS OF CATECHOLAMINES, DIBUTYRYL CYCLIC AMP, THEOPHYLLINE, AND FATTY ACIDS.** Crass MF 3rd *Recent Adv Stud Cardiac Struct Metab* 3: 275-90, 1973 (Eng) \*DL/76AUG796

ANIMAL EXPERIMENTS; BLOOD PRESSURE (drug effects); DIBUTYRYL CYCLIC AMP (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; EPINEPHRINE (pharmacodynamics); FATTY ACIDS (metabolism); GLYCOGEN (metabolism); HEART RATE (drug effects); HEART (drug effects); MALE; MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (metabolism); PALMITATES (pharmacodynamics, metabolism); RATS; THEOPHYLLINE (pharmacodynamics); TRIGLYCERIDES (metabolism).

## Crepinko I

**COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST.** Papic Z, Katona G, Crepinko I, Skrabalo Z *Acta Diabetol Lat* 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

## Cresteil T

**[ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION]** Cresteil T, Counis R, Raulin J *Biochimie* 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4

ADENYL CYCLASE (metabolism); AGE FACTORS; ANIMAL EXPERIMENTS (analysis); ANIMALS, NEWBORN; BROWN FAT (drug effects, enzymology); CORTICOTROPIN (pharmacodynamics); DNA (analysis); ENGLISH ABSTRACT; FETUS; FLUORIDES (pharmacodynamics); GESTATIONAL AGE; GLUCAGON (pharmacodynamics); GUINEA PIGS; LIPASE (metabolism); NOREPINEPHRINE (pharmacodynamics); RECEPTORS, HORMONE.

## Criffo A

**[INSULIN AVAILABILITY IN SOME FAMILIAL INHERITED NEUROLOGICAL SYNDROMES (AUTHORS' TRANSL)]** Frattino P, Kauchtschischvili G, Nappi G, Poloni M, Favino A, Criffo A *Riv Patol Nerv Ment* 95: 624-31, Oct 74 (Ita) DL/76AUG335

## Crites SK

**THE MEASUREMENT OF GLYCOGEN IN TISSUES BY AMYLO-ALPHA-1,4-ALPHA-1,6-GLUCOSIDASE AFTER THE DESTRUCTION OF PREEXISTING GLUCOSE.** Lust WD, Passonneau JV, Crites SK *Anal Biochem* 68: 328-31, Sep 75 (Eng) \*DL/76AUG884

## Crone C

**INDUCTION PROCESSES IN BLOOD-BRAIN TRANSFER OF KETONE BODIES DURING**

**STARVATION.** Gjedde A, Crone C *Am J Physiol* 229: 1165-9, Nov 75 (Eng) \*DL/76AUG609

## Csaba I

**[CHANGES IN GLUCOSE-6-PHOSPHATE DEHYDROGENASE ACTIVITY IN THE HUMAN PLACENTA DURING PREGNANCY]** Csaba I, Nagy P, Szabo I, Bucs G, Varga K *Zentralbl Gynaekol* 97: 714-7, 1975 (Ger) \*DL/76AUG866

ENGLISH ABSTRACT; FEMALE; GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); HUMAN; PLACENTA (enzymology); PREGNANCY TRIMESTER, FIRST; PREGNANCY TRIMESTER, SECOND; PREGNANCY TRIMESTER, THIRD; PREGNANCY.

## Csongrady A

**[A FURTHER CASE OF MALIGNANT HYPERTENSIA AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IPROVERATRIL) (AUTHORS' TRANSL)]** Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446

ACIDOSIS (chemically induced, drug therapy); ADULT; CALCIUM (metabolism); CASE REPORT; COLD (therapeutic use); ENGLISH ABSTRACT; GLUCOSE (therapeutic use); HALOTHANE (adverse effects); HUMAN; INSULIN (therapeutic use); IPROVERATRIL (therapeutic use); LIDOCAINE (therapeutic use); MALE; MALIGNANT HYPERTHERMIA (chemically induced, drug therapy); METHYLPREDNISOLONE (therapeutic use); MUSCLE RELAXANTS, CENTRAL (adverse effects, therapeutic use); OXYGEN (therapeutic use); SUCCINYLCHOLINE (adverse effects).

## Cuatrecasas P

**MECHANISM OF ACTIVATION OF ADENYLATE CYCLASE BY CHOLERA TOXIN.** Sahyoun N, Cuatrecasas P *Proc Natl Acad Sci USA* 72: 3438-42, Sep 75 (Eng) \*DL/76AUG764

## Cubela V

**[CUTANEOUS CHANGES IN DIABETES MELLITUS WITH SPECIAL REFERENCE TO BULLIUS IDIOPATHICA]** Cubela V, Lusicky B, Ivankovic E *Dermatol Monatsschr* 161: 217-9, Mar 75 (Ger) DL/76AUG95

BLISTER; DIABETES MELLITUS (diagnosis); HUMAN; SKIN DISEASES (diagnosis); SKIN MANIFESTATIONS.

## Cucinotta D

**[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE]** Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palummeri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

**[DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE I. COMPARISON OF THE 2 DIAGNOSTIC METHODS]** Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Palummeri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99

## Cucu F

**CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT.** Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicattide MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

## Cuppoletti J

**KINETIC ANALYSIS OF ACTIVE MEMBRANE TRANSPORT SYSTEMS: EQUATIONS FOR NET VELOCITY AND ISOTOPE EXCHANGE.** Cuppoletti J, Segel IH *J Theor Biol* 53: 125-44, Sep 75 (Eng) \*DL/76AUG564

BIOLOGICAL TRANSPORT, ACTIVE; CARRIER PROTEINS; KINETICS; LIGANDS; MODELS, BIOLOGICAL; PENICILLIUM (metabolism); PHILIPPINES; PHOSPHORUS (metabolism); SULFATES (metabolism); SULFUR ISOTOPES; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

## Curri SB

**[DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE I. COMPARISON OF THE 2 DIAGNOSTIC METHODS]** Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Palummeri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99

AGED; BIOPSY (methods); BLOOD VESSELS (pathology); DIABETIC ANGIOPATHIES (diagnosis, pathology); ENGLISH ABSTRACT; FEMALE; FINGERS (blood supply); HUMAN; MALE; MICROCIRCULATION; MIDDLE AGE; MUSCLES (pathology); SKIN (pathology).

## Curtis-Prior PB

**EFFECTS OF O-2 AND N-6-ACYL-SUBSTITUTED CYCLIC AMP ON ADIPOSE TISSUE METABOLISM IN VITRO.** Curtis-Prior PB *Biochem Pharmacol* 24: 1904-6, 15 Oct 75 (Eng) \*DL/76AUG920

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (analogs & derivatives, pharmacodynamics); ADIPOSE TISSUE (metabolism, drug effects); ANIMAL; DIBUTYRYL CYCLIC AMP (pharmacodynamics); GLUCOSE (metabolism); GLYCERIN (metabolism); IN VITRO; LIPIDS (biosynthesis); NOREPINEPHRINE (pharmacodynamics); RATS.

## Cutilella AF

**EFFECT OF DIBUTYRYL CYCLIC AMP ON MYOCARDIAL PERFORMANCE IN VIVO.** Cutilella AF, Lin CY, Thilenius OG, Arcilla RA *Recent Adv Stud Cardiac Struct Metab* 3: 251-9, 1973 (Eng) \*DL/76AUG794

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (physiology); ANIMAL EXPERIMENTS; BLOOD PRESSURE (drug effects); CARDIAC OUTPUT (drug effects); DIBUTYRYL CYCLIC AMP (pharmacodynamics); DOGS; HEART RATE (drug effects); HEART (drug effects); MYOCARDIAL CONTRACTION (drug effects); PROPRANOLOL (pharmacodynamics).

## Czako L

**EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS.** Laszlo FA, Durszt F, Varga P, Czako L *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77

**[COMBINED CLOFIBRATE-CHLORPROPAMIDE THERAPY IN DIABETES INSIPIDUS COMPLICATED WITH DIABETES MELLITUS]** Czako L, Laszlo FA, Kahan-Laszlo I *Endokrinologie* 65: 364-74, 1975 (Ger) DL/76AUG82

CHLORPROPAMIDE (therapeutic use); CLOFIBRATE (therapeutic use); DIABETES INSIPIDUS (complications, drug therapy); DIABETES MELLITUS (complications); DIURESIS (drug effects); DRUG THERAPY, COMBINATION; ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (administration & dosage); LIPIDS (metabolism); MALE; MIDDLE AGE.

## Czarnecki CM

**BLOOD GLUCOSE AND TISSUE GLYCOGEN LEVELS IN TURKEY FOLTS WITH SPONTANEOUS ROUND HEART DISEASE AND FU-**

## Czarnowska J

**RAZOLIDONE-INDUCED CARDIO-MYOPATHY.** Czarniecki CM, Reneau JK, Janus EF *Avian Dis* 19: 773-80, Oct-Dec 75 (Eng) \*DL/76AUG619  
ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); COMPARATIVE STUDY; FURAZOLIDONE; GLYCOGEN (metabolism); HEART DISEASES (veterinary, chemically induced, metabolism); LIVER GLYCOGEN (metabolism); MALE; MUSCLES (metabolism); MYOCARDIUM (metabolism); POULTRY DISEASES (metabolism, chemically induced); TURKEYS.

## Czarnowska J

**[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES]** Milewicz A, Stepień-Dobrowolska M, Szklarz E, Głębowska H, Gładysz A, Czarnowska J *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

## Dabir-Vaziri N

**EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA.** Davidson MB, Fisher MB, Dabir-Vaziri N, Schaffer M *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245

## DAgata R

**CHRONOBIOLOGICAL STUDY OF GROWTH HORMONE SECRETION IN MAN; ITS RELATION TO SLEEP-WAKE CYCLES AND TO INCREASING AGE.** PP. 81-7. DAgata R, Vigneri R, Polosa P, Semenenko EI, Myshkovskii VI, I USON-Stienon JA, Leclercq G *Inf Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C57 1971.* (Eng) DL/76AUG186  
ADOLESCENCE; ADULT; AGED; AGING; BLOOD SUGAR; BRAIN (physiology); CHILD; CHILD, PRESCHOOL; CIRCADIAN RHYTHM; GLUCOSE; HUMAN; HYPERGLYCEMIA (chemically induced); INFANT; MALE; MIDDLE AGE; MONOGRAPH (mortality); SLEEP STAGES (physiology); SLEEP (physiology); SOMATOTROPIN (blood, secretion); WAKEFULNESS.

## Dahlen G

**FURTHER EVIDENCE FOR THE EXISTENCE OF GENETICALLY DETERMINED METABOLIC DIFFERENCES BETWEEN L(PAa) AND L(Pa-) INDIVIDUALS.** Dahlen G, Berg K *Clin Genet* 9: 357-64, Mar 76 (Eng) DL/76AUG44

ANTIGENS; BLOOD SUGAR (metabolism); CHOLESTEROL (blood); HUMAN; INSULIN (blood); LIPOPROTEINS (immunology); MALE; MIDDLE AGE; PHENOTYPE; SWEDEN; THYROID GLAND (physiology); THYROXINE (blood); TRIGLYCERIDES (blood).

**L(PALPHA) LIPOPROTEIN AND PRE-BETA1-LIPOPROTEIN IN RELATION TO LIPID LEVELS IN MALES.** Dahlen G, Berg K, Ericson C, Noer G *Acta Med Scand* 198: 263-7, Oct 75 (Eng) \*DL/76AUG877

ANTIGENS; CHOLESTEROL (blood); HUMAN; LIPIDS (blood); LIPOPROTEINS (immunology); LIPOPROTEINS, HDL (blood); LIPOPROTEINS, VLDL (blood); MALE; MIDDLE AGE; PHENOTYPE; TRIGLYCERIDES (blood).

## Dahms BB

**THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR.** Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM *Am J Clin Pathol* 63: 462-6, Apr 76 (Eng) DL/76AUG429  
ADOLESCENCE; CASE REPORT; HUMAN; HYPOGLYCEMIA (etiology); INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (pathology); ISLET CELL TUMOR (complications, pathology); MALE; PANCREATIC NEOPLASMS (complications, pathology).

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### Dakake C

**THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR.** Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM *Am J Clin Pathol* 63: 462-6, Apr 76 (Eng) DL/76AUG429

### Dallner G

**BIOGENESIS OF MICROSOMAL MEMBRANE GLYCOPROTEINS IN RAT LIVER. II. PURIFICATION OF SOLUBLE GLYCOPROTEINS AND THEIR INCORPORATION INTO MICROSOMAL MEMBRANES.** Autuori F, Svensson H, Dallner G *J Cell Biol* 67: 700-14, Dec 75 (Eng) \*DL/76AUG536

### Dancheva KI

**PROTAMINE INHIBITION OF THE OXIDATIVE PHOSPHORYLATION IN INTACT, CYTOCHROME C-DEPLETED AND RESTORED MITOCHONDRIA.** Kossekova GP, Mitovska MI, Dancheva KI *Acta Biol Med Ger* 34: 539-47, 1975 (Eng) \*DL/76AUG870

### Daniel PM

**A METHOD FOR INJECTING SUBSTANCES INTO THE CIRCULATION TO REACH RAPIDLY AND TO MAINTAIN A STEADY LEVEL. WITH EXAMPLES OF ITS APPLICATION IN THE STUDY OF CARBOHYDRATE AND AMINO ACID METABOLISM.** Daniel PM, Donaldson J, Pratt OE *Med Biol Eng* 13: 214-27, Mar 75 (Eng) \*DL/76AUG565

AMINO ACIDS (metabolism, administration & dosage, blood); ANIMAL EXPERIMENTS; BABOONS; BLOOD SUGAR (analysis); ELECTRONICS, MEDICAL; GLUCOSE (metabolism, administration & dosage); INJECTIONS, INTRAVENOUS (methods); MODELS, BIOLOGICAL; MONKEYS; OSCILLOMETRY; RABBITS; RATS; SYRINGES.

### Danon A

**INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS.** Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

### Danovskii LV

**[PARIETAL (MEMBRANE) DIGESTION UNDER NORMAL AND PATHOLOGICAL CONDITIONS]** Danovskii LV *Klin Med (Mosk)* 53: 17-23, Nov 75 (Rus) [54] DL/76AUG218  
AMYLASE (physiology); BILIARY TRACT DISEASES (physiology); CELL MEMBRANE (physiology); CORONARY DISEASE (physiology); DIABETES MELLITUS (physiology); DIGESTION; GASTROINTESTINAL DISEASES (enzymology, physiology); GASTROINTESTINAL MOTILITY; HUMAN; INTESTINAL ABSORPTION; INTESTINE, SMALL (cytology, enzymology, physiology); LIPASE (physiology); PANCREATITIS (physiology); REVIEW.

### Danowski TS

**OBESITY.** Danowski TS, Nolan S, Stephan T *World Rev Nutr Diet* 22: 270-9, 1975 (Eng) [18] \*DL/76AUG864  
ADULT; ALCOHOL DRINKING; BODY TEMPERATURE REGULATION; DIET (adverse effects); DIET, REDUCING; DIETARY CARBOHYDRATES; DIETARY FATS; ENERGY METABOLISM; EXERTION; HUMAN; INFANT, NEWBORN; NUTRITION DISORDERS (complications); OBESITY (etiology, diet therapy); REVIEW; SOMATOTYPES; STARCH; SUCROSE.

### Dapergolas G

**PENETRATION OF TARGET AREAS IN THE RAT BY LIPOSOME-ASSOCIATED BLEOMYCIN, GLUCOSE OXIDASE AND INSULIN.** Dapergolas G, Neerunjun ED, Gregoriadis G *FEBS Lett* 63: 235-9, 1 Apr 76 (Eng) DL/76AUG91  
ANIMAL EXPERIMENTS (analysis); BINDING SITES; BLEOMYCIN (metabolism); BLOOD SUGAR (metabolism); GLUCOSE OXIDASE (metabolism); INSULIN (metabolism); LIPOSOMES (metabolism); LIVER NEOPLASMS (metabolism); LIVER (metabolism); MICE; MICE, INBRED BALB C; MICE, INBRED C3H; NEOPLASMS, EXPERIMENTAL (metabolism); POLYVINYLPIRROLIDONE (blood, metabolism); PROTEIN BINDING; RATS.

### Darle N

**THE EFFECT OF GLUCAGON ON TOTAL LIVER BLOOD FLOW AFTER OCCLUSION OF THE HEPATIC ARTERY. A STUDY IN ANESTHETIZED, NORMOTENSIVE DOGS.** Darle N, Lim RC, Lindberg B *Acta Chir Scand* 142: 43-6, 1976 (Eng) DL/76AUG397  
ANIMAL EXPERIMENTS (analysis); BLOOD PRESSURE (drug effects); DOGS; GLUCAGON (pharmacodynamics); HEPATIC ARTERY (physiology); LIVER CIRCULATION (drug effects); PLACEBOES; STIMULATION, CHEMICAL; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VENOUS PRESSURE (drug effects).

### Dassler CG

**[HORMONAL FUNCTION OF THE PLACENTA]** Dassler CG, Kyank HR *Z Aerztl Fortbild (Jena)* 69: 823-8, 1 Aug 75 (Ger) \*DL/76AUG593  
DEHYDROEPIANDROSTERONE (biosynthesis); ESTRADIOL (biosynthesis); ESTRONE (biosynthesis); FEMALE; HUMAN; PLACENTA (metabolism); PLACENTAL HORMONES (biosynthesis); PLACENTAL LACTOGEN (biosynthesis); PREGNANCY; PROGESTERONE (biosynthesis); RADIOIMMUNOASSAY.

### Dastur DK

**EALAS DISEASE WITH NEUROLOGICAL INVOLVEMENT. PART 2. PATHOLOGY AND PATHOGENESIS.** Dastur DK, Singhal BS *J Neurol Sci* 27: 323-45, Mar 76 (Eng) DL/76AUG195  
ADULT; CASE REPORT; CENTRAL NERVOUS SYSTEM DISEASES (complications, etiology); CENTRAL NERVOUS SYSTEM (pathology); CEREBELLUM (pathology); DIABETIC ANGIOPATHIES (diagnosis); DIAGNOSIS, DIFFERENTIAL; ENCEPHALOMYELITIS, ALLERGIC (diagnosis); HUMAN; MALE; MULTIPLE SCLEROSIS (diagnosis); OPTIC NERVE (pathology); RETINA (pathology); RETINAL HEMORRHAGE (complications); RETINAL HEMORRHAGE (etiology); SYNDROME; TUBERCULOSIS (complications).

### Date J

**CORRELATION BETWEEN HUMAN CHORIONIC SOMATOTROPIN AND PLACENTAL WEIGHT.** Rolschau J, Date J, Kristoffersen K, Pedersen GT, Ulrich M *Acta Obstet Gynecol Scand* 54: 341-6, 1975 (Eng) \*DL/76AUG598

### Daubresse JC

**LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS.** Daubresse JC, Lerson G, Plantieux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86  
BLOOD SUGAR (analysis); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCAGON (blood); HEMODIALYSIS (diagnosis); HEPARIN-CLEARING FACTOR (blood); HUMAN; HYPERLIPIDEMIA (etiology); INSULIN (blood); LIPIDS (blood);



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de Troyer A

LIPOPROTEINS (blood); LIPOPROTEINS, VLDL (blood); MALE; TRIGLYCERIDES (blood); UREMIA (blood, complications, therapy).

### Daughaday WH

THE EFFECTS OF INSULIN AND GROWTH HORMONE ON THE RELEASE OF SOMATOMEDIN BY THE ISOLATED RAT LIVER. Daughaday WH, Phillips LS, Mueller MC *Endocrinology* 98: 1214-9, May 76 (Eng) DL76AUG75

ANIMAL EXPERIMENTS (analysis); HYPOPHYSECTOMY; IN VITRO; INSULIN (pharmacodynamics); LIVER (drug effects, metabolism); MALE; RATS; SOMATOMEDIN (metabolism); SOMATOTROPIN (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. J.

CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH. Costin G, Kogut MD, Phillips LS, Daughaday WH *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL76AUG142

SOMATOMEDIN LEVELS IN HUMAN BEINGS. Daughaday WH *Adv Metab Disord* 8: 159-70, 1975 (Eng) [36] \*DL76AUG601

ADOLESCENCE; ADULT; AGE FACTORS; BIOLOGICAL ASSAY; CHILD; CHILD, PRESCHOOL; DWARFISM, PITUITARY (blood); HUMAN; HYPOPHYSECTOMY; INFANT; REVIEW; SEASONS; SOMATOMEDIN (analysis, metabolism); SOMATOTROPIN (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Dausset J

[LETTER: HL-A GROUPS IN JUVENILE DIABETES] Cathelineau G, Cathelineau L, Hors J, Schmid M, Dausset J *Nouv Presse Med* 5: 586, 28 Feb 76 (Fre) DL76AUG299

### Davidson MB

EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA. Davidson MB, Fisher MB, Dabir-Vaziri N, Schaffer M *Metabolism* 25: 455-64, Apr 76 (Eng) DL76AUG245

ADULT; DIETARY PROTEINS; EXERTION; FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HEMODIALYSIS; HOMEOSTASIS; HUMAN; INSULIN (metabolism); MALE; MIDDLE AGE; SOMATOTROPIN (secretion); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. J.

UREMIA (metabolism, physiopathology, therapy).

### Davies JJ

QUANTITATIVE ASPECTS OF THE REGULATION OF CELLULAR CYCLIC AMP LEVELS, I. STRUCTURE AND KINETICS OF A MODEL SYSTEM. Davies JJ, Williams PA *J Theor Biol* 53: 1-30, Sep 75 (Eng) \*DL76AUG562

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis); ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ADENYLATE KINASE (metabolism); HORMONES (metabolism); KINETICS; LIGANDS; MAGNESIUM; MODELS, BIOLOGICAL; PHOSPHODIESTERASES (metabolism); PROTEIN BINDING; PROTEIN CONFORMATION; STRUCTURE-ACTIVITY RELATIONSHIP.

### Davis D

ISOPROTERENOL MYOCYTOLYSIS AND MYOCARDIAL CALCIUM. Bloom S, Davis D *Recent Adv Stud Cardiac Struct Metab* 4: 581-90, 1974 (Eng) \*DL76AUG825

### Davis DM

THE ASSESSMENT OF NOCTURNAL REM ERECTION IN THE DIFFERENTIAL

NOXIS OF SEXUAL IMPOTENCE. Fisher C, Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL76AUG203

### Davis SE

PHYSIOLOGICAL EFFECTS OF MANNANS, GALACTOMANNANS, AND GLUCOMANNANS. PP. 296-311. Davis SE, Lewis BA In *O Jeunes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [103] DL76AUG175

ANIMAL EXPERIMENTS (analysis); ANTIHOLESTEREMIC AGENTS (pharmacodynamics); ANTINEOPLASTIC AGENTS, PHYTOGENIC (pharmacodynamics); BLOOD SUGAR (metabolism); BODY WEIGHT (drug effects); CHEMISTRY, CHOLESTEROL (metabolism); CHOLIC ACIDS (metabolism); DIETARY CARBOHYDRATES; DIGESTION; GLYCOGEN (biosynthesis); HUMAN; INSULIN (secretion); INTESTINE, SMALL (physiology); MANNANS (metabolism, pharmacodynamics); MANNOSE (metabolism); MONOGRAPH (mortality); PLANTS; POLYSACCHARIDES (metabolism, pharmacodynamics); REVIEW; YEASTS.

### Dawson AP

INHIBITION OF MITOCHONDRIAL PHOSPHATE TRANSPORT BY P-DIAZOBENZENSULFONATE. Dawson AP *Biochem J* 144: 597-99, Dec 74 (Eng) \*DL76AUG911

AZO COMPOUNDS (pharmacodynamics); BENZENESULFONATES (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); MITOCHONDRIA, LIVER (drug effects); PHOSPHATES (metabolism); RATS.

### De Alvarado H

EFFECT OF FASTING AND INSULIN ON THE GLUCAGON-INDUCED ORTHOPHOSPHATE INCORPORATION TO THE ISOLATED PERFUSED RAT LIVER. De Venanzi F, Pena F, Jimenez O, De Alvarado H *Proc Soc Exp Biol Med* 152: 47-51, May 76 (Eng) DL76AUG323

### De Cristofaro D

TREADMILL EXERCISE TESTING OF MASS SCREENING FOR CORONARY RISK FACTORS. Allen WH, Aronow WS, De Cristofaro D *Cathet Cardiovasc Diagn* 2: 39-48, 1976 (Eng) DL76AUG32

### de Dobbeleer G

[LIPOATROPHIC DIABETES] de Dobbeleer G, Dive M, Balasse E *Arch Belg Dermatol* 30: 107-9, Apr-Jun 74 (Fre) DL76AUG453

ADULT; CLINICAL RESEARCH; DIABETES MELLITUS (complications); ENGLISH ABSTRACT; FACE; FEMALE; HUMAN; HYPERLIPIEMIA (complications); LIPODYSTROPHY (etiology); STERILITY (complications).

### De Hertogh R

QUANTITATIVE DETERMINATION OF SEX HORMONE-BINDING GLOBULIN CAPACITY IN THE PLASMA OF NORMAL AND DIABETIC PREGNANCIES. De Hertogh R, Thomas K, Vanderheyden I *J Clin Endocrinol Metab* 42: 773-7, Apr 76 (Eng) DL76AUG147

BINDING SITES; ESTRADIOL (blood); FEMALE; HUMAN; PREGNANCY IN DIABETES (blood); PREGNANCY TRIMESTER, FIRST; PREGNANCY; PROTEIN BINDING; SERUM GLOBULINS (metabolism); STANOLONE (blood); TIME FACTORS.

### de Kruyff B

LIPID-STEROL INTERACTIONS IN LIPOSOMES AND MEMBRANES. de Kruyff B *Biochem Soc Trans* 3: 618-21, 1975 (Eng) \*DL76AUG503

ACHOLEPLASMA LAIDLAWII (physiology); BINDING SITES; CELL MEMBRANE PERMEABILITY (drug effects); CELL MEMBRANE (physiology); CHOLESTEROL (pharmacodynamics); CRYSTALLIZATION; LIPIDS (physiology); LIPOSOMES; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; MOLECULAR CONFORMATION; MYOPLASMA (physiology); STEROLS (physiology); TEMPERATURE.

### de Leeuw I

[PANCREATIC ABSCESS AND ACUTE DIABETES MELLITUS] de Leeuw I, Abs R *Tijdschr Gastroenterol* 18: 329-39, 1975 (Dut) DL76AUG353

ABSCESS (etiology); CASE REPORT; CHOLECYSTITIS (complications); CYSTS (etiology); DIABETES MELLITUS (complications); ENGLISH ABSTRACT; FEMALE; HAND; HUMAN; JOINT DISEASES (etiology); KETOSIS, DIABETIC (etiology); MIDDLE AGE; PANCREATIC DISEASES (etiology); PANCREATITIS (etiology); TRIGLYCERIDES (blood).

[BRONCHIAL CARCINOMA WITH SECRETION OF ACTH AND HCG (AUTHORS TRANSL)] de Leeuw I, van den Bergh O, Abs R *Acta Tuberc Pneumol Belg* 66: 361-7, Jul-Oct 75 (Dut) DL76AUG423

AGED; BRONCHIAL NEOPLASMS (metabolism, physiopathology); CORTICOTROPIN (secretion); ENGLISH ABSTRACT; GONADOTROPINS, CHORIONIC (secretion); HUMAN; HYPERGLYCEMIA (etiology); MALE.

### De Meyts P

BINDING AND DEGRADATION OF INSULIN BY HUMAN PERIPHERAL GRANULOCYTES. DEMONSTRATION OF SPECIFIC RECEPTORS WITH HIGH AFFINITY. Fussganger RD, Kahn CR, Roth J, De Meyts P *J Biol Chem* 251: 2761-9, 10 May 76 (Eng) DL76AUG134

COOPERATIVE PROPERTIES OF HORMONE RECEPTORS IN CELL MEMBRANES. De Meyts P *J Supramol Struct* 4: 241-58, 1976 (Eng) DL76AUG223

ANIMAL EXPERIMENTS (analysis); BINDING SITES; CELL MEMBRANE (metabolism, ultrastructure); HEMOGLOBINS (metabolism); HUMAN; INSULIN (metabolism); KINETICS; LIVER (metabolism); LYMPHOCYTES (metabolism); MACROMOLECULAR SYSTEMS; MICROSCOPY, ELECTRON; MODEL S, BIOLOGICAL; ORGAN SPECIFICITY; PROTEIN BINDING; PROTEIN CONFORMATION; PROTEINS (metabolism); RECEPTORS, HORMONE; SPECIES SPECIFICITY; THYROID GLAND (metabolism).

### de Paoli AA

EARLY EFFECTS OF THE ADMINISTRATION OF STREPTOZOTOCIN ON MUSCLE GLYCOGEN. de Paoli AA, Masiello P, Bergamini E *Biochem Pharmacol* 25: 933-5, 15 Apr 76 (Eng) DL76AUG469

ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (metabolism); GLYCOGEN (metabolism); INSULIN (blood); MALE; MUSCLES (drug effects, metabolism); RATS; STREPTOZOTOCIN (pharmacodynamics); TIME FACTORS.

### de Troyer A

SEVERE HYPONATRAEMIA IN DIABETIC PATIENTS TREATED WITH CHLORPROPAMIDE OR PHENFORMINE. de Troyer A, Devis G, Demanet JC *Acta Clin Belg* 30: 108-14, 1975 (Eng) DL76AUG398

AGED; CASE REPORT; CHLORPROPAMIDE (adverse effects, therapeutic use); DIABETES MELLITUS (drug therapy); FEMALE; HUMAN; HYPONATREMIA (chemically induced); PHENFORMIN (adverse effects, therapeutic use).

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### De Venanzi F

#### De Venanzi F

EFFECT OF FASTING AND INSULIN ON THE GLUCAGON-INDUCED ORTHOPHOSPHATE INCORPORATION TO THE ISOLATED PERFUSED RAT LIVER. De Venanzi F, Pena F, Jimenez O, De Alvarado H *Proc Soc Exp Biol Med* 152: 47-51, May 76 (Eng) DL/76AUG323  
ANIMAL EXPERIMENTS (analysis); DRUG INTERACTIONS; FASTING; GLUCAGON (pharmacodynamics); GLUCOSE (metabolism); IN VITRO; INSULIN (pharmacodynamics); LIVER (drug effects, metabolism); MALE; PHOSPHATES (blood, metabolism); RATS; TIME FACTORS.

#### De Vries A

LETTER: PHENYTOIN IN METASTATIC INSULINOMA. Aderka D, Shaklai M, Doron M, Laron Z, Pinkhas J, De Vries A *JAMA* 234: 1119, 15 Dec 75 (Eng) \*DL/76AUG733

#### Deciu L

[EARLY ADAPTATION OF PREMATURE INFANTS (HEMATOLOGICAL AND BIOCHEMICAL ASPECTS)] Rusu O, Bulat E, Iorgulescu M, Deciu L, Baltac C, Kloss D *Rev Pediatr Obstet Ginecol [Pediatr]* 24: 37-47, Jan-Mar 75 (Rum) \*DL/76AUG840

#### Defetos LJ

CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES. Roos BA, Defetos LJ, Rorabacher P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76

#### del Guercio MJ

THE EFFECT OF ALPHA1-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN. Caccamo A, Garlaschi C, di Natale B, del Guercio MJ, Chiumello G *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705

#### Del Prete GF

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111  
AGED; ARGININE (diagnostic use); AUTOIMMUNE DISEASES (blood, diagnosis); BODY WEIGHT; CASE REPORT; DIABETES MELLITUS (blood, diagnosis); FEMALE; GLUCAGON (blood); GLUCOSE TOLERANCE TEST; GLUCOSE (diagnostic use); HUMAN; INSULIN (blood); MIDDLE AGE; TIME FACTORS.

#### DeLaurentis DA

THE SEQUENTIAL FEMOROPLOTEAL BYPASS GRAFT. A FIVE YEAR EXPERIENCE. Friedmann P, DeLaurentis DA, Rhee SW *Am J Surg* 131: 452-6, Apr 76 (Eng) DL/76AUG443

#### Delbruck M

BROWNIAN MOTION IN BIOLOGICAL MEMBRANES. Saffman PG, Delbruck M *Proc Natl Acad Sci USA* 72: 3111-3, Aug 75 (Eng) \*DL/76AUG761

#### Demacker PN

AN IMPROVED SEMI-AUTOMATED METHOD FOR THE COLORIMETRIC DETERMINATION OF TRIGLYCERIDES IN SERUM. Demacker PN, van Oppenraay JB, Baadenhuijsen H, Jansen AP *Clin Chim Acta* 64: 45-50, 1 Oct 75 (Eng) \*DL/76AUG661  
AUTOANALYSIS; COLORIMETRY (methods); COMPARATIVE STUDY; HUMAN; TRIGLYCERIDES.

#### Demanet JC

SEVERE HYPONATRAEMIA IN DIABETIC PATIENTS TREATED WITH CHLORPROPAMIDE OR PHENFORMINE. de Troyer A, Devis G, Demanet JC *Acta Clin Belg* 30: 108-14, 1975 (Eng) DL/76AUG398

#### Demissie H

CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Persson B, Demissie H, Sterky G *Infusionstherapie* 2 suppl 3: 34-6, 1975 (Eng) \*DL/76AUG703

#### Dencker L

UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 125I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226  
ADRENAL MEDULLA (metabolism); ANIMAL EXPERIMENTS (analysis); AUTORADIOGRAPHY; CHLOROQUINE (analog and derivatives, metabolism); CYNOMOLGUS MONKEYS; ISLANDS OF LANGERHANS (metabolism); KIDNEY (metabolism); LIVER (metabolism); MELANIN (metabolism); MICE; INBRED CBA; MONKEYS; PITUITARY GLAND (metabolism); RATS; SPLEEN (metabolism); THYROID GLAND (metabolism).

#### Denisenko AD

[RETICULOENDOTHELIAL SYSTEM, LIPID METABOLISM AND ATHEROSCLEROSIS] Vinogradov AG, Denisenko AD *Patol Fiziol Eksp Ter* 3-12, Mar-Apr 75 (Rus) [138] \*DL/76AUG756

#### Denton RM

DOES HYPERINSULINEMIA IN OB/OB MICE CAUSE AN INSULIN-STIMULATED ADIPOSE TISSUE Loten EG, Le Marchand Y, Assimacopoulos-Jeannot F, Denton RM, Jeanraud B *Am J Physiol* 230: 602-7, Mar 76 (Eng) DL/76AUG437

#### Derksen A

PATTERNS OF FATTY ACID RELEASE FROM ENDOGENOUS SUBSTRATES BY HUMAN PLATELET HOMOGENATES AND MEMBRANES. Derksen A, Cohen P *J Biol Chem* 250: 9342-7, 25 Dec 75 (Eng) \*DL/76AUG534  
BLOOD PLATELETS (metabolism, analysis); CALCIUM (pharmacodynamics); CELL MEMBRANE (metabolism, drug effects, analysis); CHOLESTEROL ESTERS (blood); EDTA (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (blood); HUMAN; KINETICS; PHILIPPINES; PHOSPHOLIPIDS (blood); TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

#### Deschamps I

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBESE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459  
ADOLESCENCE; AGE FACTORS; BLOOD SUGAR; CHILD; CHILD, PRESCHOOL; COMPARATIVE STUDY; ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INFANT; INSULIN (blood); MALE; OBESITY (blood); SEX FACTORS; TIME FACTORS.

#### Dessypris A

LETTER: EFFECTS OF EXERTION ON HORMONE SECRETION. Karonen SL, Adlercreutz

H, Dessypris A *Br Med J* 4: 102-3, 11 Oct 75 (Eng) \*DL/76AUG645

#### Detwiler TC

REGULATION OF PLATELET PHOSPHORYLASE. Chaiken R, Pagano D, Detwiler TC *Biochim Biophys Acta* 403: 315-25, 22 Oct 75 (Eng) \*DL/76AUG627

#### Deuticke B

EXPERIMENTAL ALTERATION OF PHOSPHOLIPID-PROTEIN INTERACTIONS WITHIN THE HUMAN ERYTHROCYTE MEMBRANE. DEPENDENCE ON GLYCOLYTIC METABOLISM. Haest CW, Deuticke B *Biochim Biophys Acta* 401: 468-80, 2 Sep 75 (Eng) \*DL/76AUG626

#### Devis G

SEVERE HYPONATRAEMIA IN DIABETIC PATIENTS TREATED WITH CHLORPROPAMIDE OR PHENFORMINE. de Troyer A, Devis G, Demanet JC *Acta Clin Belg* 30: 108-14, 1975 (Eng) DL/76AUG398

#### Dhalla NS

CARDIAC AND METABOLIC EFFECTS OF DIBUTYRYL CYCLIC AMP IN THE INTACT DOG HEART AND THE ISOLATED PERFUSED RAT HEART. Dhalla NS, Chernecki W, Gandhi SS, McNamara DB, Naimark A *Recent Adv Stud Cardiac Struct Metab* 3: 233-50, 1973 (Eng) \*DL/76AUG793

ADENINE NUCLEOTIDES (metabolism); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; BLOOD PRESSURE (drug effects); BLOOD SUGAR (metabolism); CALCIUM (metabolism, pharmacodynamics); CARDIAC OUTPUT (drug effects); DIBUTYRYL CYCLIC AMP (pharmacodynamics); DOGS; DOSE-RESPONSE RELATIONSHIP, DRUG; EPINEPHRINE (pharmacodynamics); HEART (drug effects); IN VITRO; KINETICS; MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (metabolism); PHOSPHOCREATINE (metabolism); PROPRANOLOL (pharmacodynamics); RATS; SARCOPLASMIC RETICULUM (metabolism); VASCULAR RESISTANCE (drug effects).

ADENYL CYCLASE ACTIVITY IN THE HYPOXIC HEART. McNamara DB, Sulakhe PV, Singh JN, Dhalla NS *Recent Adv Stud Cardiac Struct Metab* 3: 303-9, 1973 (Eng) \*DL/76AUG797

ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART. Dhalla NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Cardiac Struct Metab* 5: 177-87, 1975 (Eng) \*DL/76AUG831  
ADENINE NUCLEOTIDES (metabolism); ANIMAL EXPERIMENTS; ANOXIA (metabolism); AZIDES (pharmacodynamics); BINDING SITES; BIOLOGICAL TRANSPORT (drug effects); BISHYDROXYCOUMARIN (pharmacodynamics); CALCIUM (metabolism); DINITROPHENOLS (pharmacodynamics); DOGS; HAMSTERS; HEART FAILURE, CONGESTIVE (metabolism, pathology, familial & genetic); HUMAN; IN VITRO; METALS, ALKALI (pharmacodynamics); MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (metabolism, ultrastructure); PAPILLARY MUSCLES (pathology); PHILIPPINES; RABBITS; SARCOPLASMIC RETICULUM (metabolism).

#### di Natale B

THE EFFECT OF ALPHA1-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN. Caccamo A, Garlaschi C, di Natale B, del Guer-

- cio MJ, Chiumello G *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705
- Dietrich JW**  
FACTORS INFLUENCING BONE FORMATION IN ORGAN CULTURE. Raisz LG, Dietrich JW, Canalis EM *Isr J Med Sci* 12: 108-14, Feb 76 (Eng) DL/76AUG130
- Dietschy JM**  
PERMEABILITY CHARACTERISTICS OF THE ADIPOCYTE CELL MEMBRANE AND PARTITIONING CHARACTERISTICS OF THE ADIPOCYTE TRIGLYCERIDE CORE. Sherill BC, Dietschy JM *J Membr Biol* 23: 367-83, 1975 (Eng) \*DL/76AUG558
- Dietze G**  
PHYSIOLOGY OF METABOLISM DURING STARVATION. PP. 17-30. Dietze G, Wicklmayer M, Mehnert H In *Ohnefeld FW, et al., ed. Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [16] DL/76AUG157
- ACETYL COENZYME A (metabolism); ADAPTATION, PHYSIOLOGICAL; ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (metabolism); BRAIN (metabolism); FATTY ACIDS (metabolism); GLUCAGON (blood); GLUCONEOGENESIS; GLUCOSE (biosynthesis); GLYCOCEN (metabolism); HOMEOSTASIS; HUMAN; INSULIN (blood); KETONE BODIES (metabolism); LACTATES (metabolism); LIVER (metabolism); MONOGRAPH (mortality); MUSCLES (metabolism); REVIEW; STARVATION (metabolism, physiopathology).
- Digerness SB**  
MALATE TRANSPORT INTO HEART MITOCHONDRIA. Digerness SB, Reddy WJ *Mol Cell Cardiol* 7: 677-84, Sep 75 (Eng) \*DL/76AUG729
- ADENOSINE DIPHOSPHATE (pharmacodynamics); ANIMAL; BIOLOGICAL TRANSPORT, ACTIVE; IN VITRO; MALATES (metabolism, pharmacodynamics); MALE; MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIUM (metabolism, ultrastructure); OSMOLAR CONCENTRATION; OXYGEN CONSUMPTION; PHILIPPINES; PHOSPHATES (pharmacodynamics); PYRUVATES (pharmacodynamics); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.
- Dimitriu M**  
[POSTPRANDIAL LEVELS OF BLOOD SUGAR, CHOLESTEROL AND TOTAL LIPIDS IN A GROUP OF NORMAL STUDENTS] Sneer A, Butuc C, Dughir E, Dimitriu M *Rev Med Chir Soc Med Nat Iasi* 79: 555-60, Oct-Dec 75 (Rum) DL/76AUG333
- Dingler-Nunemann H**  
INTERACTION OF ETHACRYNIC ACID WITH CONTROL SITES OF RENAL GLUCOSE METABOLISM. Fulgraff G, Dingler-Nunemann H *Curr Probl Clin Biochem* 4: 131-4, 1975 (Eng) \*DL/76AUG486
- Distiller LA**  
CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES. Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345
- DiTullio NW**  
THE EFFECT OF 3-MERCAPTOPYRICOLINIC ACID ON PHOSPHOENOLPYRUVATE CARBOXYKINASE (GTP) IN THE RAT AND GUINEA PIG. Kostos V, DiTullio NW, Rush J, Cieslinski L, Saunders HL *Arch Biochem Biophys* 171: 459-65, Dec 75 (Eng) \*DL/76AUG614
- Dive M**  
[LIPOATROPHIC DIABETES] de Dobbeleer G, Dive M, Balasse E *Arch Belg Dermatol* 30: 107-9, Apr-Jun 74 (Fre) DL/76AUG453
- Dizerega GS**  
REMISSION OF DIABETES MELLITUS DURING PREGNANCY. Gabbe SG, Dizerega GS, Mestman JH *Am J Obstet Gynecol* 125: 264-5, 15 May 76 (Eng) DL/76AUG432
- Dobbs R**  
IDENTIFICATION OF GLUCAGON-PRODUCING CELLS (A CELLS) IN DOG GASTRIC MUCOSA. Baetens D, Rufener C, Srikant BC, Dobbs R, Unger R, Orci L *J Cell Biol* 69: 455-64, May 76 (Eng) DL/76AUG137
- Dobesova L**  
[INSULIN SECRETION IN PATIENTS FOLLOWING JURASZ SURGERY FOR PANCREATIC PSEUDOCYST] Svoboda Z, Prokes J, Dobesova L *Vnitř Lek* 22: 336-40, Apr 76 (Cze) DL/76AUG362
- Dobrev D**  
[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSO-ADRENAL SYSTEM IN OBESITY] Dobrev D, Pavlov D, Stoilov L *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370
- ADOLESCENCE; ADRENAL GLANDS (physiopathology); ADULT; BLOOD SUGAR (analysis); ENGLISH ABSTRACT; FEMALE; HUMAN; HYDROCORTISONE (blood); HYPOGLYCEMIA (chemically induced); HYPOTHALAMUS (physiopathology); INSULIN (diagnostic use); MALE; MIDDLE AGE; OBESITY (diagnosis, physiopathology); PITUITARY GLAND (physiopathology).
- Dobrev DG**  
[CARBOHYDRATE TOLERANCE, SERUM INSULIN AND TRIGLYCERIDES IN CORONARY DISEASE] Dobrev DG, Ilkov A *Vutr Boles* 14: 11-22, 1975 (Bul) DL/76AUG371
- ADULT; AGED; ANGINA PECTORIS (blood); ANTIGENS (analysis); BLOOD SUGAR (analysis); CORONARY DISEASE (blood); ENGLISH ABSTRACT; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (blood); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (blood); TRIGLYCERIDES (blood).
- Dobrogosz WJ**  
ALTERED HEXOSE TRANSPORT AND SALT SENSITIVITY IN CYCLIC ADENOSINE 3,5-MONOPHOSPHATE-DEFICIENT ESCHERICHIA COLI. Ezzell JW, Dobrogosz WJ *J Bacteriol* 124: 815-24, Nov 75 (Eng) \*DL/76AUG711
- Dobrzanski T**  
PLASMA IMMUNOREACTIVE INSULIN AND SOMATOTROPIN IN DELIRIUM TREMENS AND ALCOHOLIC HALLUCINOSIS. Dobrzanski T, Pieschl D *J Stud Alcohol* 37: 327-33, Mar 76 (Eng) DL/76AUG224
- ACUTE DISEASE; ADULT; ALCOHOLISM (metabolism); AMMONIA (blood); ANTIGENS (analysis); BLOOD SUGAR (analysis); CHLORPROMAZINE (poisoning); CHRONIC DISEASE; DELIRIUM TREMENS (metabolism); GLUCOSE TOLERANCE TEST; GLYCOGEN (blood); HALLUCINATIONS (metabolism); HUMAN; INSULIN (blood); MALE; METHOTRIMEPRAZINE (poisoning); PROMAZINE (poisoning); PSYCHOSES, ALCOHOLIC (metabolism); SOMATOTROPIN (blood); 17-HYDROXYCORTICOSTEROIDS (blood).
- Dodi G**  
[EFFECTS OF GLUCAGON ON THE GASTRIC MICROCIRCULATION OF THE RAT] Cagol PP, Dodi G, Zanon GF *Chir Patol Sper* 23: 111-4, Jun 75 (Ita) DL/76AUG61
- Doherty JM**  
COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA. Bonkowsky HL, Magnusen CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243
- Dohm GL**  
CHANGES IN MUSCLE MITOCHONDRIAL LIPID COMPOSITION RESULTING FROM TRAINING AND EXHAUSTIVE EXERCISE. Dohm GL, Barakat H, Stephenson TP, Pennington SN, Tapscott EB *Life Sci* 17: 1075-80, 10 Oct 75 (Eng) \*DL/76AUG574
- ANIMAL EXPERIMENTS; CHOLESTEROL (metabolism); EXERTION; FATTY ACIDS, NONESTERIFIED (metabolism); LIPIDS (metabolism); MALE; MITOCHONDRIA, MUSCLE (metabolism); OXYGEN CONSUMPTION; PHOSPHOLIPIDS (metabolism); PHYSICAL CONDITIONING, ANIMAL; RATS; SUCCINATES (metabolism); TRIGLYCERIDES (metabolism).
- Doisy RJ**  
THE ROLE OF TRACE ELEMENTS IN HUMAN NUTRITION AND METABOLISM. PP. 156-77. Tuman RW, Doisy RJ In *Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [59] DL/76AUG177
- Dolberg DS**  
SELECTIVE INHIBITION OF THE FACILITATED MODE OF SUGAR UPTAKE BY CYTOCHALASIN B IN CULTURED CHICK FIBROBLASTS. Dolberg DS, Bassham JA, Bissell MJ *Exp Cell Res* 96: 129-37, Nov 75 (Eng) \*DL/76AUG498
- BIOLOGICAL TRANSPORT, ACTIVE; CELL DIVISION (drug effects); CELL TRANSFORMATION, NEOPLASTIC; CELLS, CULTURED; CYTOCHALASIN B (pharmacodynamics); DEOXY SUGARS (metabolism); DEOXYGLUCOSE (metabolism); DNA REPLICATION (drug effects); GLUCOSE (pharmacodynamics); KINETICS; MANNITOL (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.
- Dolezel F**  
[EFFECT OF CATECHOLAMINES ON THE METABOLISM OF GLUCOSE, FATTY ACIDS AND ON THE HEART RATE IN GOATS] Bartos S, Dolezel F, Kolbl M *Vet Med (Praha)* 20: 289-301, May 75 (Cze) \*DL/76AUG591
- EFFECT OF EPINEPHRINE ON ADIPOSE TISSUE METABOLISM IN GOATS. Bartos S, Dolezel F, Jukl A *Endocrinol Exp (Bratisl)* 9: 229-38, Sep 75 (Eng) \*DL/76AUG669
- Dolp R**  
[METABOLIC BEHAVIOR AND UTILIZATION OF PARENTERALLY ADMINISTERED CARBOHYDRATES IN THE POSTOPERATIVE PHASE] Dolp R, Grab E, Knoche E, Ahnefeld FW *Infusionstherapie* 2: 103-10, Apr 75 (Ger) \*DL/76AUG699
- ADULT; BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism, urine); ENERGY METABOLISM; ENGLISH ABSTRACT; FEMALE; FRUCTOSE (metabolism); GLUCOSE (metabolism); HUMAN; HYSTERECTOMY; INFUSIONS,

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### Dols W

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### Dols W

[DIABETES THERAPY WITH A NEW ANTIDIABETIC PRO-DIABAN] Dols W *Ther Ggw* 115: 428-36, Mar 76 (Ger) DL/76AUG351  
ADULT; CLINICAL RESEARCH; DIABETES MELLITUS (drug therapy); FEMALE; GLIPIXEPIDE (therapeutic use); HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use); MALE; MIDDLE AGE; SULFONYLUREA COMPOUNDS (therapeutic use).

### Donaldson J

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### Donnell GN

MANNTOL EXCRETION IN GALACTOSEMIA PATIENTS. Ng WG, Donnell GN, Bergren WR *Clin Chim Acta* 64: 39-44, 1 Oct 75 (Eng) \*DL/76AUG660

### Dooley PC

EFFECTS OF INSULIN HYPOGLYCAEMIA IN THE SHEEP ON JUGULAR HAEMATOCRIT AND PLASMA CORTICOSTEROID CONCENTRATIONS. Dooley PC, Williams VJ  *Aust J Biol Sci* 28: 503-9, Dec 75 (Eng) DL/76AUG466  
ADRENAL CORTISOL HORMONES (blood); ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (analysis); DENERVATION; HEMATOCRIT; INSULIN (pharmacodynamics); JUGULAR VEIN; MALE; SHEEP; SPLANCHNIC NERVES (physiology); SPLEEN (innervation, physiology); SPLENECTOMY; STIMULATION, CHEMICAL.

### Dormer RL

STUDIES ON THE ROLE OF CALCIUM IONS IN THE STIMULATION BY ADRENALINE OF AMYLASE RELEASE FROM RAT PAROTID. Dormer RL, Ashcroft SJ *Biochem J* 144: 543-50, Dec 74 (Eng) \*DL/76AUG910  
ADENOSINE DIPHOSPHATE; ADENOSINE TRIPHOSPHATE; AMYLASE (metabolism); ANIMAL; CALCIUM (metabolism); CARBONYL CYANIDE M-CHLOROPHENYL HYDRAZONE (pharmacodynamics); EPINEPHRINE (pharmacodynamics); MALE; MICROSOMES (metabolism); MITOCHONDRIA (metabolism); NICKEL (pharmacodynamics); OLIGOMYCIN (pharmacodynamics); PAROTID GLAND (drug effects, enzymology); RATS; SUCCINATES; TIME FACTORS.

### Dorner M

THE EFFECT OF PROPRANOLOL AND PHENTOLAMINE ON SERUM GASTRIN CONCENTRATION IN RESPONSE TO RESPIRATORY ACIDOSIS IN NORMAL MAN. Kaess H, Utz G, Feckentrup U, Hauck AM, Dorner M *Eur J Clin Invest* 5: 401-8, 12 Sep 75 (Eng) \*DL/76AUG678

### Doron M

THE PRESENCE OF INSULIN IN SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS. Ishay J, Gitter S, Galun R, Doron M, Laron Z *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58

LETTER: PHENTYTOIN IN METASTATIC INSULINOMA. Aderka D, Shuklai M, Doron M, Laron Z, Pinkhas J, De Vries A *JAMA* 234: 1119, 15 Dec 75 (Eng) \*DL/76AUG733

### Dousa TP

GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA. Mulvehill JB, Hui YS, Barnes LD, Palumbo PJ, Dousa TP *J Clin Endocrinol Metab* 42: 380-4, Feb 76 (Eng) DL/76AUG143

### Dowell RT

TURNOVER OF MYOCARDIAL COMPONENTS IN CARDIAC HYPERTROPHY. Zak R, Martin AF, Dowell RT, Rabinowitz M *Recent Adv Stud Cardiac Struct Metab* 3: 603-14, 1973 (Eng) \*DL/76AUG808

### Drewes LR

ACCELERATIVE EXCHANGE DIFFUSION KINETICS OF GLUCOSE BETWEEN BLOOD AND BRAIN AND ITS RELATION TO TRANSPORT DURING ANOXIA. Betz AL, Gilboe DD, Drewes LR *Biochim Biophys Acta* 461: 416-28, 2 Sep 75 (Eng) \*DL/76AUG624

### Dreyfuss F

CAROTENEMIC, SKIN COLOUR AND DIABETES MELLITUS. Hoerer E, Dreyfuss F, Herzberg M *Acta Diabetol Lat* 12: 202-7, May-Aug 75 (Eng) DL/76AUG402

### Drieu M

[SCREENING FOR HYPERLIPIDEMIA IN YOUNG ADULTS] Fromantin M, Freyria J, Drieu M, Bon R *Nouv Presse Med* 5: 851-2, 27 Mar 76 (Fre) DL/76AUG295

### Drucker WR

HEMODYNAMIC AND METABOLIC ALTERATIONS IN PERIPHERAL TISSUE DURING HEMORRHAGIC SHOCK. Shearburn EW 3d, Craig WD, Maitland CL, Howard PL, McCoy S, Drucker WR *Am Surg* 41: 696-703, Nov 75 (Eng) \*DL/76AUG890

### Drummond GI

ROLE OF ADENYLATE CYCLASE-CYCLIC AMP IN CARDIAC ACTIONS OF ADRENERGIC AMINES. Drummond GI, Hemmings SJ *Recent Adv Stud Cardiac Struct Metab* 3: 213-22, 1973 (Eng) \*DL/76AUG791  
ADENOSINE CYCLIC 3,5-MONOPHOSPHATE (metabolism); ANIMAL; DOSE-RESPONSE RELATIONSHIP, DRUG; EPINEPHRINE (pharmacodynamics); FEMALE; GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGEN (metabolism); IN VITRO; MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (metabolism, enzymology); PHENYLEPHRINE (pharmacodynamics); RATS; STIMULATION, CHEMICAL; TIME FACTORS.

### Druneklee D

[EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL)] Sailer R, Katoh E, Druneklee D, Kovacicsek S, Berger M *Munch Med Wochenschr* 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

### Drury MI

A POSITIVE MONOSPOT TEST IN A DIABETIC WITH SARCIDOSIS. Lalor BC, Feely J, Drury MI *Ir J Med Sci* 145: 58-9, Feb 76 (Eng) DL/76AUG126

### Dryburgh JR

THE EFFECT OF SOMATOSTATIN ON RELEASE AND INSULINOTROPIC ACTION OF GASTRIC INHIBITORY POLYPEPTIDE. Pederson RA, Dryburgh JR, Brown JC *Can J Physiol Pharmacol* 53: 1200-5, Dec 75 (Eng) DL/76AUG25

### Dtani N

A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS. Harano Y, Shimizu Y, Yoshida M,

Dtani N, Kim CI *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399

### Du Cailar J

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

### du Toit PS

LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES; USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879

### Dub O

[WORKING DIABETICS AND THEIR ACTIVITY IN THE THERAPEUTIC PROCESS (AUTHORS TRANSL)] Dub O, Brozek I, Nykodym P *Cas Lek Cesk* 115: 330-4, 19 Mar 76 (Cze) DL/76AUG27  
ACTIVITIES OF DAILY LIVING; ADOLESCENCE; ADULT; AGED; ATTITUDE TO HEALTH; CHILD; DIABETES MELLITUS (therapy); EMPLOYMENT; ENGLISH ABSTRACT; HUMAN; MIDDLE AGE; PATIENT COMPLIANCE.

### Dubey DP

RADIATION EFFECTS ON ALKALINE PHOSPHATASE AND GLUCOSE-6-PHOSPHATASE IN ANATOMICALLY DIFFERENT REGIONS OF MOUSE INTESTINE. Kaur A, Dubey DP, Gupta GS *Strahlentherapie* 150: 427-32, Oct 75 (Eng) \*DL/76AUG855

### Dubord L

MEMBRANE PERMEABILITY AS A CAUSE OF TRANSPORT DEFECTS IN EXPERIMENTAL FANCONI SYNDROME. A NEW HYPOTHESIS. Bergeron M, Dubord L, Hausser C, Schwab C *J Clin Invest* 57: 1181-9, May 76 (Eng) DL/76AUG150

### Dudenhausen JW

[ADENOSINE-3, 5-MONOPHOSPHATE IN AMNIOTIC FLUID OF NORMAL AND HIGH-RISK PREGNANCY (AUTHORS TRANSL)] Dudenhausen JW, Dudenhausen R *Z Geburtshilfe Perinatol* 180: 46-50, Feb 76 (Ger) DL/76AUG388

ADENOSINE CYCLIC 3,5-MONOPHOSPHATE (metabolism); AMNIOTIC FLUID (metabolism); BIRTH WEIGHT; ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERTENSION (metabolism); PLACENTAL INSUFFICIENCY (metabolism); PREGNANCY IN DIABETES (metabolism); PREGNANCY COMPLICATIONS (metabolism); PREGNANCY COMPLICATIONS, CARDIOVASCULAR (metabolism); PREGNANCY TOXEMIAS (metabolism); PREGNANCY TRIMESTER, FIRST; PREGNANCY TRIMESTER, SECOND; PREGNANCY TRIMESTER, THIRD; PREGNANCY.

THE PRESENT SITUATION OF CLINICAL MONITORING OF THE FETUS DURING LABOR. Saling EZ, Dudenhausen JW *J Perinat Med* 1: 75-103, 1973 (Eng) [96] \*DL/76AUG723

### Dudenhausen R

[ADENOSINE-3, 5-MONOPHOSPHATE IN AMNIOTIC FLUID OF NORMAL AND HIGH-RISK PREGNANCY (AUTHORS TRANSL)]



- Dudenhausen JW, Dudenhausen R Z *Geburtshilfe Perinatol* 180: 46-50, Feb 76 (Ger) DL/76AUG388
- Dudzinski W**  
[ATTEMPT AT TREATING DIABETIC KETOACIDOSIS WITH SMALL DOSES OF INSULIN] Dudzinski W *Pol Tyg Lek* 31: 377-8, 1 Mar 76 (Pol) DL/76AUG303
- ACIDOSIS, DIABETIC (drug therapy); HUMAN; INSULIN (administration & dosage, therapeutic use); KETOSIS, DIABETIC (drug therapy).
- Duerr FG**  
SALINITY TOLERANCE AND EXTRACELLULAR OSMOREGULATION IN TWO SPECIES OF EURYHALINE TELEOSTS, CULAE INCONSTANS AND FUNDULUS DIAPHANUS. Ahokas RA, Duerr FG *Comp Biochem Physiol* [A] 52: 445-8, 1 Nov 75 (Eng) \*DL/76AUG665
- Dughir E**  
[POSTPRANDIAL LEVELS OF BLOOD SUGAR, CHOLESTEROL AND TOTAL LIPIDS IN A GROUP OF NORMAL STUDENTS] Sneed A, Buie C, Dughir E, Dimitriu M *Rev Med Chir Soc Med Nat Iasi* 79: 555-60, Oct-Dec 75 (Rum) DL/76AUG333
- Duguid R**  
THE EFFECT OF 2-DEOXY-D-GLUCOSE AND 3-O-METHYL-D-GLUCOSE ON MUCOSUBSTANCE SECRETION IN CELL CULTURE. Duguid R, Marsden JC *Biochem Soc Trans* 3: 498-9, 1975 (Eng) \*DL/76AUG684
- CELLS, CULTURED; DEOXY SUGARS (pharmacodynamics); DEOXYGLUCOSE (pharmacodynamics); HYALURONIC ACID (secretion); METHYLGLYCOSIDES (pharmacodynamics); METHYLGLYCOSIDES (pharmacodynamics); OUBAIN (pharmacodynamics); ROUS SARCOMA VIRUS (metabolism).
- Dunaway GA**  
PURIFICATION AND PHYSIOLOGICAL ROLE OF A PEPTIDE STABILIZING FACTOR OF RAT LIVER PHOSPHOFRUCTOKINASE. Dunaway GA, Segal HL *J Biol Chem* 251: 2323-9, 25 Apr 76 (Eng) DL/76AUG133
- CYCLOHEXIMIDE (pharmacodynamics); DIETARY FATS; DIETARY PROTEINS; DRUG STABILITY; ENZYME ACTIVATION (drug effects); FASTING; GLUCOSE (pharmacodynamics); INSULIN (pharmacodynamics); LIVER (drug effects, enzymology); PHOSPHOFRUCTOKINASE (metabolism); PRONASE; PROTEINS (isolation & purification, physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).
- Dunnett J**  
A POSSIBLE EXPLANATION FOR THE PECULIAR CONTRACTILE BEHAVIOR DISPLAYED BY RAT HEART MUSCLE. Naylor WG, Dunnett J *Recent Adv Stud Cardiac Struct Metab* 5: 171-5, 1975 (Eng) \*DL/76AUG830
- Duns A**  
BROMOCRYPTINE THERAPY IN ACROMEGALY. Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569
- Dupre J**  
EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE. Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23
- BLOOD SUGAR (metabolism); FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON (immunology); GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); GLUCOSE (pharmacodynamics); HUMAN; INSULIN ANTIBODIES (analysis); INSULIN (secretion); MALE; SECRETIN (administration & dosage, pharmacodynamics); TIME FACTORS.
- Duran P**  
AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR. Esteban-Altirriba J, Rene AM, Duran P, Cabero L, Giral E, Carreras M, Garcia-Cambronero MT *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724
- Durand N**  
[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPHYSIS] Durand N, Berthezene F, Girod C *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650
- ANIMAL EXPERIMENTS; ENGLISH ABSTRACT; PITUITARY GLAND (drug effects); PITUITARY GLAND, ANTERIOR (cytology, drug effects, metabolism); PROLACTIN (biosynthesis); RATS; SOMATOTROPIN (biosynthesis); THYROID GLAND (physiology); THYROTROPIN RELEASING HORMONE (pharmacodynamics); THYROTROPIN (biosynthesis).
- Duran-Garcia S**  
[HETEROGENEITY OF PROTEIN HORMONES IN RADIOIMMUNOASSAY] Rosellin G, Bataille D, Laburthe M, Duran-Garcia S *Pathol Biol (Paris)* 23: 793-803, Dec 75 (Fre) DL/76AUG282
- Durszt F**  
EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS. Laszlo FA, Durszt F, Varga P, Czako I *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77
- Dvorak M**  
EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325
- ADRENAL CORTEX (physiopathology); ADRENAL GLANDS (physiopathology); ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR; CHOLESTEROL (blood); COMPARATIVE STUDY; EOSINOPHILS; HYPOGLYCAEMIA (blood, physiopathology); INSULIN (pharmacodynamics); LEUKOCYTE COUNT; SWINE; VITAMIN E (blood); 17-HYDROXYCORTICOSTEROIDS (blood).
- Dvorakova I**  
[POSSIBILITIES IN PREVENTION OF MANIFEST DIABETES MELLITUS IN POTENTIAL DIABETICS (PRELIMINARY REPORT)] Dvorakova I, Valnickova J, Mikan M, Prokes J *Vnitř Lek* 22: 262-7, Mar 76 (Cze) DL/76AUG360
- ADULT; DIABETES MELLITUS (prevention & control); ENGLISH ABSTRACT; HUMAN; MENTAL HEALTH; MIDDLE AGE; NUTRITION; SPORTS.
- Dyer A**  
MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhomberg P, Dyer A, Berkson DM, Reedus W, Wannamaker J *J Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542
- MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543
- Dzurba A**  
INHIBITION OF SODIUM-POTASSIUM-ACTIVATED ADENOSINE TRIPHOSPHATASE BY K&M-G&A-ASPARTATE. Fedeleseva M, Dzurba A, Ziegelhoffer A *Recent Adv Stud Cardiac Struct Metab* 4: 155-9, 1974 (Eng) \*DL/76AUG819
- Easterby JS**  
HEART HEXOKINASE: QUATERNARY STRUCTURE CHANGES ACCOMPANYING THE BINDING OF REGULATORY MOLECULES. Easterby JS *Eur J Biochem* 58: 231-5, 1 Oct 75 (Eng) \*DL/76AUG676
- ADENOSINE TRIPHOSPHATE; ANIMAL; BINDING SITES; GLUCOSEPHOSPHATES; HEXOKINASE (metabolism); MACROMOLECULAR SYSTEMS; MAGNESIUM; MOLECULAR WEIGHT; MYOCARDIUM (enzymology); PHOSPHATES, INORGANIC; PROTEIN BINDING; PROTEIN CONFORMATION; SWINE.
- Ebel H**  
[CHROMAFFIN TUMOURS: DIAGNOSIS AND CATAMNESTIC FEATURES BASED ON THE DATA COLLECTED AT THE INSTITUTE OF EXPERIMENTAL THERAPY BETWEEN 1949 AND 1974 (AUTHORS TRANSL.)] Ebel H, Classen HG *Arzneim Forsch* 25: 1610-21, Oct 75 (Ger) \*DL/76AUG621
- ADOLESCENCE; ADULT; ANIMAL EXPERIMENTS; BIOLOGICAL ASSAY; BIOTRANSFORMATION; BLOOD PRESSURE (drug effects); BLOOD SUGAR; CATECHOLAMINES (urine); CATS; DIAGNOSIS, DIFFERENTIAL; ENGLISH ABSTRACT; EPINEPHRINE (urine); FALSE POSITIVE REACTIONS; FEMALE; HUMAN; HYPERTENSION (urine, complications); METANEPHRINE (urine); MIDDLE AGE; NOREPINEPHRINE (urine); PARANGLIOMA (diagnosis, urine, complications); POTASSIUM (blood); VANILMANDLIC ACID (urine).
- Ebel RE**  
EXPLORING SITES ON MITOCHONDRIAL ATPASE FOR CATALYSIS, REGULATION AND INHIBITION. Lardy HA, Schuster SM, Ebel RE *J Supramol Struct* 3: 214-21, 1975 (Eng) \*DL/76AUG738
- Ebeling W**  
[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL.)] Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865
- Edwards A**  
THE ASSESSMENT OF NOCTURNAL REM ERECTION IN THE DIFFERENTIAL DIAGNOSIS OF SEXUAL IMPOTENCE. Fisher C, Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL/76AUG203
- Edwards JC**  
LETTER: PHENFORMIN AND LACTIC ACIDOSIS. Edwards JC *Br Med J* 1: 584, 6 Mar 76 (Eng) DL/76AUG15
- ACIDOSIS (chemically induced); CASE REPORT; FEMALE; HUMAN; PHENFORMIN (adverse effects).

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## Edwards JC

### Effendic S

[SOMATOSTATIN AND SOMATOMEDINS—NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY] Effendic S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227

BLOOD SUGAR; DIABETES MELLITUS (drug therapy); DIABETIC ANGIOPATHIES (chemically induced); ENGLISH ABSTRACT; HUMAN; SOMATOMEDIN (therapeutic use); SOMATOTROPIN RELEASE INHIBITING HORMONE (therapeutic use); SOMATOTROPIN (adverse effects); SOMATOTROPIN (blood).

### Eiber NS

[CERTAIN INDICATORS OF THE FUNCTIONAL STATE OF FETOPLACENTAL COMPLEX IN PREGNANCY COMPLICATED BY LATE TOXEMIA AND THREATENED ABORTION] Anisimova MI, Eiber NS, Kiriasova ZhR *Vopr Okhr Materin Det* 19: 62-6, Apr 74 (Rus) \*DL/76AUG860

### Eichner RD

RAT ADIPOSE TISSUE GLYCOGEN SYNTHASE. EVIDENCE FOR MULTIPLE DISCRETE KINETIC SPECIES AND THEIR INTERCONVERSION. Eichner RD *J Biol Chem* 251: 2316-22, 25 Apr 76 (Eng) DL/76AUG132  
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADIPOSE TISSUE (enzymology); ANIMAL EXPERIMENTS (analysis); DIABETES MELLITUS (chemically induced, enzymology); ENZYME ACTIVATION (drug effects); GLYCOGEN SYNTHETASE (metabolism); KINETICS; MACROMOLECULAR SYSTEMS; MAGNESIUM (pharmacodynamics); MALE; MOLECULAR WEIGHT; RATS; STREPTOZOTOCIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

### Eikelboom TD

THIN-LAYER CHROMATOGRAPHIC SEPARATION OF FREE FATTY ACIDS. ANALYSIS AND PURIFICATION OF RADIOACTIVELY LABELLED FATTY ACIDS. Rodrigues de Miranda JF, Eikelboom TD *J Chromatogr* 114: 274-9, 12 Nov 75 (Eng) \*DL/76AUG717

### Eikmeier H

[DIAGNOSTIC EVALUATION OF VARIOUS BLOOD VALUES IN THE HORSE] Kraft W, Mayer H, Eikmeier H *Tierarztl Prax* 3: 199-204, 1975 (Ger) \*DL/76AUG587

### Eilam Y

TWO-CARRIER MODELS FOR MEDIATED TRANSPORT. I. THEORETICAL ANALYSIS OF SEVERAL TWO-CARRIER MODELS. Eilam Y *Biochim Biophys Acta* 401: 349-63, 2 Sep 75 (Eng) \*DL/76AUG622  
BINDING SITES; BIOLOGICAL TRANSPORT; BLOOD SUGAR (analysis); ERYTHROCYTES (metabolism); GALACTOSEMIA; KINETICS; MATHEMATICS; MODELS; BIOLOGICAL.

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BIOLOGICAL TRANSPORT; ERYTHROCYTES (metabolism); GALACTOSE (metabolism); GLUCOSE (metabolism); HUMAN; KINETICS; MODELS; BIOLOGICAL.

### Einarsson K

INFLUENCE OF CHOLESTEROL FEEDING ON LIVER MICROSOMAL METABOLISM OF STEROIDS AND BILE ACIDS IN CONVENTIONAL AND GERM-FREE RATS. Gustafsson BE, Einarsson K, Gustafsson J *J Biol Chem* 250: 8490-502, 10 Nov 75 (Eng) \*DL/76AUG529

### Eisenman G

THE KINETICS OF CARRIER-MEDIATED ION PERMEATION IN LIPID BILAYERS AND ITS THEORETICAL INTERPRETATION. Laprade R, Ciani S, Eisenman G, Szabo G *Membranes* 3: 127-214, 1975 (Eng) [24] \*DL/76AUG575

### Eisenstein AB

NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakur P *Prog Food Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330

ADOLESCENCE; ADRENAL CORTEX (physiology); ADULT; AGE FACTORS; AGED; ANIMAL EXPERIMENTS (analysis); CARBOHYDRATES (metabolism); CHILD; DIABETES MELLITUS (metabolism); ENDOCRINE GLANDS (physiology); FEMALE; GLUCOCORTICIDS (physiology); HUMAN; HYPERTHYROIDISM (metabolism); HYPOTHYROIDISM (metabolism); INSULIN RESISTANCE; INSULIN (physiology); ISLANDS OF LANGERHANS (physiology); LIPIDS (metabolism); MALE; MIDDLE AGE; NUTRITION; OBESITY IN DIABETES (physiopathology); PROTEINS (metabolism); REVIEW; THYROID GLAND (physiology).

### Ekins RP

RADIOIMMUNOASSAY AND SATURATION ANALYSIS. BASIC PRINCIPLES AND THEORY. Ekins RP *Br Med Bull* 30: 3-11, Jan 74 (Eng) \*DL/76AUG643  
HORMONES (analysis); RADIOIMMUNOASSAY.

### Ekstedt B

BINDING OF CARDIOLIPIN/LECITHIN AND MONOAMINE OXIDASE TO LIPID-DEPLETED MITOCHONDRIAL MEMBRANE STRUCTURE. Ekstedt B, Olivecrona T, Oreland L *Arch Biochem Biophys* 171: 170-5, Nov 75 (Eng) \*DL/76AUG896

ANIMAL; BINDING SITES; CARDIOLIPINS (metabolism); LECITHINS (metabolism); LIPOSOMES; MEMBRANES (metabolism, analysis); MITOCHONDRIA, LIVER (metabolism, analysis); MONOAMINE OXIDASE (metabolism); PHOSPHOLIPIDS (isolation & purification); PROTEIN BINDING; RECEPTORS, DRUG; SWINE.

### Elde RP

IMMUNOCYTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN CELL BODIES OF THE RAT HYPOTHALAMUS. Elde RP, Parsons JA *Am J Anat* 144: 541-8, Dec 75 (Eng) \*DL/76AUG605

ANIMAL EXPERIMENTS; CELL NUCLEUS (analysis); FEMALE; HYPOTHALAMUS (analysis, ultrastructure); MAMMARY NEOPLASMS, EXPERIMENTAL (analysis); NEURONS (analysis); NEUROSECRETORY SYSTEMS (analysis, ultrastructure); RATS; SOMATOTROPIN RELEASE INHIBITING HORMONE (analysis); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Elders MJ

GLUCOCORTICOID THERAPY IN CHILDREN. EFFECT ON SOMATOMEDIN SECRETION. Elders MJ, Wingfield BS, McNatt ML, Clarke JS, Hughes ER *Am J Dis Child* 129: 1393-6, Dec 75 (Eng) \*DL/76AUG606

ADOLESCENCE; AGE FACTORS; CARTILAGE (drug effects); CHICK EMBRYO (drug effects); CHILD; CHILD, PRESCHOOL; FEMALE; GROWTH DISORDERS (chemically induced); HUMAN; INFANT; MALE; METHYLPREDNISOLONE (adverse effects, therapeutic use, administration & dosage); NEPHROSIS (drug therapy); PREDNISONE (adverse effects, therapeutic use, administration & dosage); SOMATOMEDIN (secretion, blood);

TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Ellenhogen G

[EXPERIMENTAL PANCREATIC ALLOTRANSPLANTATION IN DOGS: BIOCHEMICAL ASPECTS AND EVOLUTION] Ellenhogen G, Raia AA, Zilberstein B, Pollara WM, Neto OB, Morimoto RY, Pinotti HW *Rev Hosp Clin Fac Med Sao Paulo* 30: 340-4, Jul-Aug 75 (Por) \*DL/76AUG841

AMYLASE (blood); ANIMAL; BLOOD SUGAR (analysis); DOGS; ENGLISH ABSTRACT; GRAFT REJECTION; GRAFT VS HOST REACTION; HISTOCOMPATIBILITY TESTING; IMMUNOSUPPRESSION; PANCREAS (transplantation); TRANSPLANTATION IMMUNOLOGY; TRANSPLANTATION, ALLOGENEIC.

### Eller RR

EFFECTS OF STARVATION ON ISOLATED HEART PERFORMANCE AND MITOCHONDRIAL CALCIUM SEQUESTERING. Eller RR *Recent Adv Stud Cardiac Struct Metab* 4: 347-57, 1974 (Eng) \*DL/76AUG821

ANIMAL; CALCIUM (metabolism, pharmacodynamics); CORONARY CIRCULATION; DOSE-RESPONSE RELATIONSHIP, DRUG; GLYCOGEN (metabolism); HEART RATE (drug effects); HEART (physiopathology); MICE (physiology); MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIUM (ultrastructure, metabolism); STARVATION (physiopathology, metabolism, blood); TEMPERATURE.

### Ellis PP

GLYCEROL AND HYPEROSMOLAR NON-KETOTIC COMA. Oakley DE, Ellis PP *Am J Ophthalmol* 81: 469-72, Apr 76 (Eng) DL/76AUG435

### Elphick MC

TRANSFER OF FATTY ACIDS ACROSS THE RABBIT PLACENTA. Elphick MC, Hudson DG, Hull D *J Physiol (Lond)* 252: 29-42, Oct 75 (Eng) \*DL/76AUG553

ADIPOSE TISSUE (secretion, drug effects); ANIMAL EXPERIMENTS; FATTY ACIDS, NONESTERIFIED (metabolism, secretion); FEMALE; FETUS (metabolism, drug effects); GLUCOSE (metabolism); GLYCERIN (secretion); IN VITRO; MATERNAL-FETAL EXCHANGE; METABOLIC CLEARANCE RATE; NOREPINEPHRINE (pharmacodynamics); PALMITATES (metabolism); PLACENTA (metabolism); PREGNANCY; RABBITS.

### Emmanuel B

EFFECTS OF 1,3-BUTANEDIOL AND 1,2-PROPANEDIOL ON BLOOD KETONE BODIES AND GLUCOSE IN SHEEP FED RESTRICTED DIETS. Emmanuel B, Nahapetian A *J Anim Sci* 41: 1468-73, Nov 75 (Eng) \*DL/76AUG523

ACETOACETATES (blood); ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); BUTANEDIOL (metabolism); HYDROXYBUTYRATES (blood); KETONES (blood); MALE; PROPANEDIOL (metabolism); SHEEP (metabolism).

### Emmerson RW

ACANTHOSIS NIGRICANS AND ERUPTIVE XANTHOMA. Emmerson RW *Proc R Soc Med* 69: 311-2, Apr 76 (Eng) DL/76AUG320  
ACANTHOSIS NIGRICANS (etiology); ADENOCARCINOMA (complications, pathology); ADULT; CASE REPORT; DIABETES MELLITUS (complications); HUMAN; HYPERLIPIDEMIA (complications); LIVER NEOPLASMS (complications, pathology); MALE; XANTHOMATOSIS (etiology).

Enculescu A

CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinbach M, Constantinescu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

Enders P

[HYPERINSULINISM. NEUROLOGICAL AND PSYCHIATRIC ASPECTS (AUTHORS TRANSL.)] Matz D, Enders P, Baumeister G *J Neurol* 212: 177-82, 23 Apr 76 (Ger) DL/76AUG198

Engelman DM

THE USE OF X-RAY SCATTERING IN THE STUDY OF LIPID BILAYER PLANAR ORGANIZATION. Engelman DM *Biophys J* 15: 940-4, Sep 75 (Eng) \*DL/76AUG635  
ALKANES; MACROMOLECULAR SYSTEMS; MEMBRANES, ARTIFICIAL; PHOSPHOLIPIDS; SCATTERING, RADIATION; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

England JF

THE EFFECT OF LONG-DISTANCE RUNNING ON SOME BIOCHEMICAL VARIABLES. Riley WJ, Pyke FS, Roberts AD, England JF *Clin Chim Acta* 65: 83-9, 15 Nov 75 (Eng) \*DL/76AUG481

Ensinn JW

RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS. Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensinn JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

Enfman ML

THE TRANSPORT ENZYME: PHARMACOLOGIC RECEPTOR FOR CARDIAC GLYCOSIDES. Allen JC, Enfman ML, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 131-7, 1974 (Eng) \*DL/76AUG817

Epelbaum J

DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS. Ramirez VD, Gautron JP, Epelbaum J, Patou E, Zamora A, Kordon C *Mol Cell Endocrinol* 3: 339-50, Nov 75 (Eng) \*DL/76AUG508

Epple A

ISLET HISTOPHYSIOLOGY: EVOLUTIONARY CORRELATIONS. Epple A, Brinn JE Jr *Gen Comp Endocrinol* 27: 320-49, Nov 75 (Eng) DL/76AUG102

AMPHIBIA (anatomy & histology); ANIMAL EXPERIMENTS (analysis); CAPILLARIES (anatomy & histology); CELL NUCLEOLUS (ultrastructure); CELL NUCLEUS (ultrastructure); COMPARATIVE STUDY; CONNECTIVE TISSUE CELLS; CYCLOSTOMES (anatomy & histology); CYTOPLASM (ultrastructure); CYTOPLASMIC GRANULES (ultrastructure); EVOLUTION; FISHES (anatomy & histology); ISLANDS OF LANGERHANS (cytology, innervation); LIVER (anatomy & histology); MELANOPHORES (ultrastructure); PANCREAS (anatomy & histology); PARASYMPATHETIC NERVOUS SYSTEM; SALAMANDERS (anatomy & histology); SALMONIDAE (anatomy & histology); SPECIES SPECIFICITY; STAINS AND STAINING; TURTLES (anatomy & histology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.).

Epshtein IM

[RATE OF BLOOD OXYGEN OUTPUT IN CERTAIN TYPES OF OCULAR PATHOLOGY] Zaretskaia RB, Trutneva KV, Epshtein IM, Mikhailova NA *Vestn Oftalmol* 19-22, Jul-Aug 75 (Rus) DL/76AUG358

Epstein LM

THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE. Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202

Ericson C

LP(ALPHA) LIPOPROTEIN AND PRE-BETA1-LIPOPROTEIN IN RELATION TO LIPID LEVELS IN MALES. Dahlen G, Berg K, Ericson C, Nøer G *Acta Med Scand* 198: 263-7, Oct 75 (Eng) \*DL/76AUG877

Erlagaeva RS

CATABOLITE REPRESSION IN ESCHERICHIA COLI K12 MUTANTS DEFECTIVE IN GLUCOSE TRANSPORT. Gershanovitch VN, Yourovitskaya NV, Komissarova LV, Bolshakova TN, Erlagaeva RS, Bourd GI *Mol Gen Genet* 140: 81-90, 15 Sep 75 (Eng) \*DL/76AUG748

Ershova LM

[STUDY OF THE CONTENT OF TOTAL POTASSIUM IN PATIENTS WITH DIABETES MELLITUS BY THE METHOD OF WHOLE BODY RADIOMETRY] Ershova LM, Gabunia RI, Kaplan MA *Ter Arkh* 47: 117-9, 1975 (Rus) DL/76AUG348

ADULT; AGE FACTORS; CASE REPORT; DIABETES MELLITUS (metabolism); FEMALE; HUMAN; MALE; MIDDLE AGE; POTASSIUM (metabolism); RADIOMETRY (methods).

Esmann V

INACTIVATION OF GLYCOGEN PHOSPHORYLASE OF HUMAN POLYMORPHONUCLEAR LEUKOCYTES. Rorth S, Wang P, Esmann V *Scand J Clin Lab Invest* 35: 355-61, Jul 75 (Eng) \*DL/76AUG844

Esteban-Altririba J

AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR. Esteban-Altririba J, Rene AM, Duran P, Cabero L, Giralte F, Carreras M, Garcia-Cambronero MT *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724

BLOOD PRESSURE (drug effects); BLOOD SUGAR; FEMALE; FETAL BLOOD (metabolism); FETAL HEART (drug effects); HEART RATE (drug effects); HUMAN; LABOR; PRACTOLOL (pharmacodynamics, administration & dosage); PREGNANCY; PROPANOLAMINES (pharmacodynamics); RITODRINE (pharmacodynamics, administration & dosage, antagonists & inhibitors, adverse effects); UTERINE CONTRACTION (drug effects).

Estler CJ

INFLUENCE OF PHENOXYBENZAMINE ON METHAMPHETAMINE-INDUCED CHANGES IN LOCOMOTOR ACTIVITY, OXYGEN CONSUMPTION, BODY TEMPERATURE AND SOME METABOLIC PARAMETERS. Estler CJ *Neuropharmacology* 14: 779-83, Oct 75 (Eng) \*DL/76AUG577  
ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); BODY TEMPERATURE (drug effects); BRAIN (metabolism); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLYCOGEN (metabolism); METHAMPHETAMINE (pharmacodynamics); MICE; MOTOR ACTIVITY (drug effects); OXYGEN CONSUMPTION (drug effects);

PHENOXYBENZAMINE (pharmacodynamics); TIME FACTORS.

Esztergalyos J

EFFECT OF SURGERY ON CARBOHYDRATE METABOLISM. Alant O, Pulay I, Esztergalyos J, Bodnar A *Acta Chir Acad Sci Hung* 16: 307-14, 1975 (Eng) DL/76AUG396

SUGAR METABOLISM IN OBESE CHILDREN. Barta L, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414

Etingof RN

[PRESENCE AND LOCALIZATION OF GLUCOSE-BINDING PROTEINS IN THE TONGUE] Ostretsova IB, Safarian EK, Etingof RN *Dokl Akad Nauk SSSR* 223: 1484-7, 21 Aug 75 (Rus) \*DL/76AUG494

Eugene C

[RENAL INSUFFICIENCY AND DIABETES CURED BY REMOVAL OF A VILLOUS TUMOR OF THE RECTUM] Eugene C, Fingerhut A, Quevauvilliers J *Nouv Presse Med* 5: 781-3, 20 Mar 1976 (Fre) DL/76AUG294

ADENOMA (complications, surgery); DIABETES MELLITUS (etiology); ENGLISH ABSTRACT; FEMALE; HUMAN; KIDNEY FAILURE, CHRONIC (etiology); MIDDLE AGE; RECTAL NEOPLASMS (complications, surgery); WATER-ELECTROLYTE IMBALANCE (etiology).

Evans RA

THE SYNERGISTIC EFFECT OF DIETARY CARBOHYDRATES ON THE PASSAGE OF AMINO ACIDS TO THE SMALL INTESTINE OF THE SHEEP. Offer NW, Evans RA, Axford RF *Proc Nutr Soc* 34: 67a-68a, Sep 75 (Eng) \*DL/76AUG770

Ewing DJ

THERAPEUTIC EXPERIENCE WITH FLUDROCORTISONE IN DIABETIC POSTURAL HYPOTENSION. Campbell IW, Ewing DJ, Clarke BF *Br Med J* 1: 872-4, 10 Apr 76 (Eng) DL/76AUG19

Ezrin C

TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOHYPHYSAL CELLS. PP. 287-98. Horvath E, Kovacs K, Stratmann IE, Ezrin C *Ino Hess M, ed. Electron microscopic concepts of secretion*. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG165

Ezell JW

ALTERED HEXOSE TRANSPORT AND SALT SENSITIVITY IN CYCLIC ADENOSINE 3,5-MONOPHOSPHATE-DEFICIENT ESCHERICHIA COLI. Ezell JW, Dobrogosz WJ *J Bacteriol* 124: 815-24, Nov 75 (Eng) \*DL/76AUG711

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis); AMMONIUM CHLORIDE (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE; DIFFUSION; ESCHERICHIA COLI (metabolism, drug effects, growth & development); HEXOSES (metabolism); METHYLGLYCOSIDES (metabolism); MUTATION; PHOSPHATES (pharmacodynamics); POTASSIUM CHLORIDE (pharmacodynamics); SALT (pharmacodynamics); SODIUM CHLORIDE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Fabian E

[GAMMA GLUTAMYL-TRANSEPTIDASE ACTIVITY AND FREE FATTY ACID LEVEL IN DIABETES (AUTHORS TRANSL.)] Stork A, Skachova J, Kozakova B, Fabian E, Fabianova J,

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## Fabianova J

Cermak K *Cas Lek Cesk* 115: 384-7, 2 Apr 76 (Cze) DL/76AUG28

## Fabianova J

[GAMMA GLUTAMYL-TRANSEPTIDASE ACTIVITY AND FREE FATTY ACID LEVEL IN DIABETES (AUTHORS TRANSL)] Stork A, Skachova J, Kozakova B, Fabian E, Fabianova J, Cermak K *Cas Lek Cesk* 115: 384-7, 2 Apr 76 (Cze) DL/76AUG28

## Fabri ZI

[PATHOGENESIS OF DISORDERS OF THE THYROID GLAND FUNCTION IN PREGNANCY] Bobik Iul, Kusatkina LA, Paschenko AE, Mitso ASB, Fabri ZI *Vopr Okhr Materin Det* 19: 71-3, Feb 74 (Rus) \*DL/76AUG59

## Fain JN

CYCLIC GUANOSINE 3:5-MONOPHOSPHATE AND THE REGULATION OF LIPOLYSIS IN RAT FAT CELLS. Fain JN, Butcher FR *J Cyclic Nucleotide Res* 2: 71-8, 1976 (Eng) DL/76AUG153

A-23187 (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADIPOSE TISSUE (drug effects, metabolism); ANIMAL EXPERIMENTS (analysis); ANTIBIOTICS (pharmacodynamics); CALCIUM (pharmacodynamics); CARBACHOL (pharmacodynamics); EGTA (pharmacodynamics); FEMALE; GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); INSULIN (pharmacodynamics); KINETICS; LIPID MOBILIZATION (drug effects); NOREPINEPHRINE (pharmacodynamics); OLIC ACIDS (pharmacodynamics); PALMITIC ACIDS (pharmacodynamics); RATS; SERUM ALBUMIN, BOWNE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.H.J.

## Fairhurst E

BLOOD GLUCOSE PROFILES IN MAN AFTER INGESTION OF GLUCOSE SYRUP FRACTIONS. Kearsley M, Fairhurst E, Green LF *Proc Nutr Soc* 34: 60a-61a, Sep 75 (Eng) \*DL/76AUG769

## Fallucca F

GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESSE WOMEN. Fallucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

ADULT; ARGININE (pharmacodynamics); BLOOD SUGAR (analysis); FEMALE; GLUCAGON (blood); HUMAN; INSULIN (blood); OBESITY IN DIABETES (blood); OBESITY (blood); SOMATOTROPIN (blood).

## Falser N

[BALANCED PARENTERAL NUTRITION FOLLOWING TOTAL PANCREATCTOMY. (METABOLIC DATA)] Reissigl H, Bodner E, Falser N *Infusionstherapie* 2: 120-31, Apr 75 (Ger) \*DL/76AUG700

## Fang HS

LONGITUDINAL STUDIES ON ADIPOSE TISSUE AND ITS DISTRIBUTION IN HUMAN SUBJECTS. Chien S, Peng MT, Chen KP, Huang TF, Chang C, Fang HS *J Appl Physiol* 39: 825-30, Nov 75 (Eng) \*DL/76AUG708

## Fanska R

DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISOLATION PERFUSED RAT PANCREAS AND THE EFFECT OF CHEMICAL SYMPATHETOMY. Lundquist I, Fanska R, Grodsky GM *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72

## Farrington CL

RESPIRATION RATES AND ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: STATE 4-3-4 TRANSITION EXPERIMENTS. Archbold GP, Farrington CL, McKay AM, Malpress FH *Biochem Soc Trans* 3: 504-7, 1975 (Eng) \*DL/76AUG685

ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: CHANGE OF MEDIA AND THE STATE-4 JUMP. Archbold GP, Farrington CL, Malpress FH *Biochem Soc Trans* 3: 507-10, 1975 (Eng) \*DL/76AUG686

## Fasman GD

PREDICTION OF PROTEIN CONFORMATION: CONSEQUENCES AND ASPIRATIONS. PP. 114-25. Fasman GD, Chou PY *In: Blout ER, et al., ed. Peptides, polypeptides and proteins. New York, Wiley, 1974. W3RE441K 1974p. (Eng) [55] DL/76AUG161*

CRYSTALLOGRAPHY; GLUCAGON; MONOGRAPH (mortality); NUCLEIC ACIDS (metabolism); PROTEIN BINDING; PROTEIN CONFORMATION; PROTEINS (metabolism); RECEPTOR, DRUG; REVIEW; STRUCTURE-ACTIVITY RELATIONSHIP; TRYPSIN INHIBITORS; X-RAY DIFFRACTION.

## Fauvel JM

MITOCHONDRIAL FUNCTION AND EXCITATION-CONTRACTION COUPLING IN THE DEVELOPMENT OF ALCOHOLIC CARDIOMYOPATHY. Pachinger O, Man J, Fauvel JM, Bing RJ *Recent Adv Stud Cardiac Struct Metab* 5: 423-9, 1975 (Eng) \*DL/76AUG834

## Favino A

[INSULIN AVAILABILITY IN SOME FAMILIAL INHERITED NEUROLOGICAL SYNDROMES (AUTHORS TRANSL)] Frattino P, Kauchtschischvili G, Nappi G, Poloni M, Favino A, Criffo A *Riv Patol Nerv Ment* 95: 624-31, Oct 74 (Ita) DL/76AUG335

## Fawcett CP

THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

## Fayyaz-ud-Din

COMPARATIVE STUDY OF GLIBENCLAMIDE & CHLORPROPAMIDE IN NEWLY DIAGNOSED MATURITY ONSET DIABETICS. Haider Z, Obaidullah S, Fayyaz-ud-Din *JPM* 4 26: 23-6, Feb 76 (Eng) DL/76AUG210

## Fedelesova M

INHIBITION OF SODIUM-POTASSIUM-ACTIVATED ADENOSINE TRIPHOSPHATASE BY K<sup>+</sup>-Mg<sup>2+</sup>-ASPARTATE. Fedelesova M, Dzurba A, Ziegelhoffer A *Recent Adv Stud Cardiac Struct Metab* 4: 155-9, 1974 (Eng) \*DL/76AUG819

ADENOSINE TRIPHOSPHATASE (antagonists & inhibitors); ANIMAL; ASPARTIC ACID (pharmacodynamics); DOGS; ENZYME ACTIVATION; MAGNESIUM (pharmacodynamics); MYOCARDIUM (enzymology); POTASSIUM (pharmacodynamics); SODIUM (pharmacodynamics); TEMPERATURE; TIME FACTORS.

## Federlin K

ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION. Federlin K, Slijepcevic M, Helmke K *Horm Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116

ANIMAL EXPERIMENTS (analysis); DIABETES MELLITUS (chemically induced, therapy); FEMALE; HISTOCOMPATIBILITY; ISLANDS OF LANGERHANS (transplantation); MALE; ORGAN SPECIFICITY; PANCREATCTOMY; RATS; SPECIES SPECIFICITY; STREPTOZOTOCIN; TRANSPLANTATION, ALLOGENEIC.

## Fedotov NS

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. I. ISOLATION AND GENERAL CHARACTERISTICS. Fedotov NS, Panchenko LF, Logachev AP, Bekkouzhin AG, Tarshis MA *Folia Microbiol (Praha)* 20: 470-9, 1975 (Eng) \*DL/76AUG512

ACHOLEPLASMA LAIDLAWII (metabolism, enzymology); ADENOSINE TRIPHOSPHATASE (metabolism); CARBOHYDRATES (metabolism); CELL FRACTIONATION; CELL MEMBRANE (metabolism, enzymology); GLUCOKINASE (metabolism); GLUCOSE (metabolism); NADH, NADPH OXIDOREDUCTASES (metabolism); OXYGEN CONSUMPTION.

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. II. KINETIC CHARACTERISTICS AND SPECIFICITY OF GLUCOSE TRANSPORT SYSTEM. Panchenko LF, Fedotov NS, Tarshis MA *Folia Microbiol (Praha)* 20: 480-7, 1975 (Eng) \*DL/76AUG513

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. III. EVIDENCE OF ACTIVE NAIDE OF GLUCOSE TRANSPORT. Fedotov NS, Panchenko LF, Tarshis MA *Folia Microbiol (Praha)* 20: 488-95, 1975 (Eng) \*DL/76AUG514

ACHOLEPLASMA LAIDLAWII (metabolism); AMOBARBITAL (pharmacodynamics); ANAEROBIC; BIOLOGICAL TRANSPORT, ACTIVE (drug effects); CELL MEMBRANE (metabolism); DEPRESSION, CHEMICAL; FRUCTOSE (metabolism); GLUCOSE (metabolism); MALTOSE (metabolism); ROTENONE (pharmacodynamics); SUBCELLULAR FRACTIONS; SULFHYDRYL REAGENTS (pharmacodynamics); UNCOUPLING AGENTS (pharmacodynamics).

## Feely J

A POSITIVE MONOSPOT TEST IN A DIABETIC WITH SARCOIDOSIS. Lalor BC, Feely J, Drury MI *Ir J Med Sci* 145: 58-9, Feb 76 (Eng) DL/76AUG126

## Feinberg H

BINDING OF ADENOSINE DIPHOSPHATE TO INTACT HUMAN PLATELETS. Born GV, Feinberg H *J Physiol (Lond)* 251: 803-16, Oct 75 (Eng) \*DL/76AUG726

## Fekl W

[METABOLIC EFFECT OF A CARBOHYDRATE COMBINATION DURING SIMULTANEOUS AMINO ACID INFUSION] Berg G, Matzki F, Heid H, Fekl W *Z Ernährungswiss* 14: 163-74, Sep 75 (Ger) DL/76AUG379

## Feldman JM

INHIBITION OF PANCREATIC ISLET MONOAMINE OXIDASE BY ADRENERGIC ANTAGONISTS AND ETHANOL. Feldman JM *Endocr Res Commun* 2: 503-20, 1975 (Eng) DL/76AUG67

ADRENERGIC ALPHA RECEPTOR AGONISTS (pharmacodynamics); ALCOHOL, ETHYL (pharmacodynamics); ANIMAL EXPERIMENTS (analysis); CLOSTRIDIOPOLYMERASE A (pharmacodynamics); GLUCOSE (pharmacodynamics); HALOPERIDOL (pharmacodynamics); HYDROXYTRYPTOPHAN (pharmacodynamics); IN VITRO; INSULIN



(secretion); ISLANDS OF LANGERHANS (enzymology); LIVER (enzymology); MALE; MONOAMINE OXIDASE INHIBITORS (pharmacodynamics); MONOAMINE OXIDASE (metabolism); PANCREAS (secretion); PHENOXYBENZAMINE (pharmacodynamics); PHENTOLAMINE (pharmacodynamics); PROPRANOLOL (pharmacodynamics); RABBITS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H. ).

**PREPARATION OF ISLETS OF LANGERHANS FROM RABBITS AND HAMSTERS BY THE COLLAGENASE DIGESTION TECHNIQUE.** Feldman JM, Chapman B *Acta Diabetol Lat* 12: 208-18, May-Aug 75 (Eng) DL/76AUG403  
ANIMAL EXPERIMENTS (analysis); CLOSTRIDIOPEPTIDASE A; HAMSTERS; HISTOLOGICAL TECHNIQUE; ISLANDS OF LANGERHANS; RABBITS.

**Felix JM**  
[IMMUNO-REACTIVE INSULIN-LIKE SUBSTANCES IN THE RAT] Felix JM, Sutter-Dub MT, Legrelle C, Billaudel B, Sutter BC, Jacquot R *Pathol Biol (Paris)* 23: 841-8, Dec 75 (Fre) DL/76AUG283  
ANIMAL EXPERIMENTS (analysis); CARBON; DEXTRAN; ENGLISH ABSTRACT; FRACTIONATION; INSULIN ANTIBODIES (immunology); INSULIN (isolation & purification); MOLECULAR WEIGHT; PANCREAS (analysis); RADIOIMMUNOASSAY; RATS.

**Fellows NF**  
THE ROLE OF UNSATURATED FATTY ACIDS IN MITOCHONDRIAL MEMBRANE FUNCTIONS. Haslam JM, Fellows NF *Biochem Soc Trans* 3: 772-5, 1975 (Eng) \*DL/76AUG506

**Fernstrom JD**  
THE EFFECT OF NUTRITIONAL FACTORS ON BRAIN AMINO ACID LEVELS AND MONOAMINE SYNTHESIS. Fernstrom JD *Fed Proc* 35: 1151-6, Apr 76 (Eng) DL/76AUG92  
AMINO ACIDS (blood, metabolism); ANIMAL EXPERIMENTS (analysis); BIOLOGICAL TRANSPORT; BRAIN (drug effects, metabolism); CATECHOLAMINES (biosynthesis); DIET; INSULIN (pharmacodynamics); MONOAMINE OXIDASE INHIBITORS (pharmacodynamics); SEROTONIN (biosynthesis); TRYPTOPHAN HYDROXYLASE (metabolism); TRYPTOPHAN (metabolism); TYROSINE (metabolism); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H. ).

**Feroldi P**  
[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petronio V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardioangiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275

**Ferrans VJ**  
INTRAMITOCHONDRIAL GLYCOGEN DEPOSITS IN HYPERTROPHIED HUMAN MYOCARDIUM. Maron BJ, Ferrans VJ *J Mol Cell Cardiol* 7: 697-702, Sep 75 (Eng) \*DL/76AUG731

**Ferrari C**  
POTENTIATION OF HYPOGLYCEMIC RESPONSE TO INTRAVENOUS TOLBUTAMIDE BY CLOFIBRATE. Ferrari C, Frezzati S, Testori GP, Bertazzoni A *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG265  
CLOFIBRATE (pharmacodynamics, therapeutic use); DIABETES MELLITUS (drug therapy); DRUG SYNERGISM; HUMAN; TOLBUTAMIDE (administration & dosage, pharmacodynamics, therapeutic use).

**Ferrari G**  
STIMULATION OF 45CA EFFLUX FROM SMOOTH MUSCLE CELLS BY METABOLIC INHIBITION AND HIGH K<sup>+</sup> DEPOLARIZATION. Van Breemen C, Wuytack F, Castels R, Martinelli B, Campailla E, Ferrari G *J Fluores Arch* 359: 183-96, 9 Sep 75 (Eng) \*DL/76AUG758

**Fester A**  
INOTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM. Hildner FJ, Yeh BK, Javier RP, Fester A, Samet P *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31

**Feurle GE**  
[GASTROINTESTINAL HORMONES] Feurle GE *Internist (Berlin)* 17: 129-35, Mar 76 (Ger) DL/76AUG124  
CHOLECYSTOKININ; GASTRIN (blood); GASTROINTESTINAL HORMONES; GLUCAGON; HUMAN; PANCREOZYMIN; PEPTIDES; SECRETIN; SOMATOTROPIN RELEASE INHIBITING HORMONE ); ZOLLINGER-ELLISON SYNDROME (blood).

**Fitch SO**  
THE HLB DEPENDENCY FOR DETERGENT SOLUBILIZATION OF HORMONALLY SENSITIVE ADENYLATE CYCLASE. Storm DR, Field SO, Ryan J *J Supramol Struct* 4: 221-31, 1976 (Eng) DL/76AUG221

**Figuerola I**  
PROTECTIVE EFFECT OF STEROIDS ON LIVER ISCHEMIA. Santiago Delpin EA, Figuerola I, Lopez R, Vazquez J *Am Surg* 41: 683-5, Nov 75 (Eng) \*DL/76AUG889

**Filler RM**  
TOTAL PARENTERAL NUTRITION IN INFANTS AND CHILDREN: CENTRAL AND PERIPHERAL APPROACHES. Filler RM, Cowan AG *Surg Clin North Am* 56: 395-412, Apr 76 (Eng) DL/76AUG346  
ACIDOSIS (etiology); CHILD NUTRITION; CHILD, COPPER (deficiency); DIETARY FATS (administration & dosage); HUMAN; HYPERCALCEMIA (etiology); HYPERGLYCEMIA (etiology);

HYPERALCALEMIA (etiology); INFANT NUTRITION; INFANT, INFECTION (etiology); LIVER DISEASES (etiology); PARENTERAL FEEDING (adverse effects, instrumentation, methods).

**Fingerhut A**  
[RENAL INSUFFICIENCY AND DIABETES CURED BY REMOVAL OF A VILLOUS TUMOR OF THE RECTUM] Eugene C, Fingerhut A, Ouevauxvilliers J *Nouv Presse Med* 5: 781-3, 20 Mar 1976 (Fre) DL/76AUG294

**Fink WJ**  
LEG MUSCLE METABOLISM DURING EXERCISE IN THE HEAT AND COLD. Fink WJ, Costill DL, Van Handel PJ *Eur J Appl Physiol* 34: 183-90, 15 Aug 75 (Eng) \*DL/76AUG673  
ADULT; BLOOD SUGAR (metabolism); BODY TEMPERATURE; COLD; COMPARATIVE STUDY; EXERTION; FATTY ACIDS; NONESTERIFIED (blood); GLYCOGEN (metabolism); GLYCOLYSIS; HEART RATE; HEAT; HUMAN; LACTATES (blood); MALE; MUSCLES (metabolism, blood supply); OXYGEN CONSUMPTION; PLASMA VOLUME; REGIONAL BLOOD FLOW; TEMPERATURE; THIGH; TRIGLYCERIDES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

**Fisher C**  
THE ASSESSMENT OF NOCTURNAL REM ERECTION IN THE DIFFERENTIAL DIAGNOSIS OF SEXUAL IMPOTENCE. Fisher C,

Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL/76AUG203  
ADULT; AGE FACTORS; CASE REPORT; COLECTOMY (adverse effects); DIABETIC NEUROPATHIES (complications); DIAGNOSIS, DIFFERENTIAL; HUMAN; HYPOSPADIAS (complications); IMPOTENCE (diagnosis, etiology, surgery); MALE; MIDDLE AGE; PENIS (innervation); PROSTHESIS; PSYCHOPHYSIOLOGIC DISORDERS; SEX BEHAVIOR; SLEEP, REM; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H. ).

**Fisher JD**  
EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS. Nandan R, Fisher JD, Towery EP, Brown DR, Ganote E, Jennings RB *Atherosclerosis* 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924

**Fisher MB**  
EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA. Davidson MB, Fisher MB, Dabir-Vaziri N, Schaffer M *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245

**Fitch CD**  
CHLOROQUINE RESISTANCE IN MALARIA: VARIATIONS OF SUBSTRATE-STIMULATED CHLOROQUINE ACCUMULATION. Fitch CD, Chevli R, Gonzalez Y *J Pharmacol Exp Ther* 195: 389-96, Dec 75 (Eng) \*DL/76AUG551  
ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CHLOROQUINE (therapeutic use, blood); DRUG RESISTANCE; ERYTHROCYTES (metabolism, parasitology); MALARIA (drug therapy, blood, parasitology); MALE; MICE; MICE, INBRED STRAINS; PLASMODIUM BERGHEI (metabolism); PLASMODIUM (metabolism); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

**Fleming M**  
LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES: USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879

**Fleming N**  
HORMONAL CONTROL OF GLUCOSE PRODUCTION BY AMPHIBIA MEANS LIVER IN ORGAN CULTURE. Brown D, Fleming N, Balls M *Gen Comp Endocrinol* 27: 380-8, Nov 75 (Eng) DL/76AUG103

**Florea I**  
GROWTH HORMONE RELEASE BY GLYCINE INJECTED INTRAVENOUSLY IN 22 HEALTHY SEXUALLY IMMATURE CHILDREN. Popa M, Florea I *Biomedicine [Express]* 23: 131-3, 30 Apr 75 (Eng) DL/76AUG6

**Fluker G**  
THE DEVELOPMENT OF A GLUCOSE CLAMP. Norwich KH, Fluker G, Anthony J, Popescu I, Pagurek B, Hetenyi G *Jr Metabolism* 24: 1221-30, Nov 75 (Eng) \*DL/76AUG744

**Fodge DW**  
STIMULATION OF LACTIC ACID PRODUCTION IN CHICK EMBRYO FIBROBLASTS BY SERUM AND HIGH PH IN THE ABSENCE OF EXTERNAL GLUCOSE. Fodge DW, Rubin H *J Cell Physiol* 86: 453-7, Dec 75 (Eng) \*DL/76AUG539

## Diabetes Literature—Author Index

### Foley J

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### Foley J

**METABOLISM OF DOG GASTRIC MUCOSA. NUCLEOTIDE LEVELS IN PARIENTAL CELLS.** Sarau HM, Foley J, Moonsammy G, Wiebelhaus VD *J Biol Chem* 250: 8321-9, 10 Nov 75 (Eng) \*DL/76AUG527

### Fonkalsrud EW

**THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR.** Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM *Am J Clin Pathol* 65: 462-6, Apr 76 (Eng) DL/76AUG429

### Fontaine M

**CARBOHYDRATE CONTENT OF HUMAN VLDL, IDL, LDL, AND HDL PLASMA APOPROTEINS FROM FASTING NORMAL AND HYPERLIPIDEMIC PATIENTS.** Fontaine M, Malmendier CL *Clin Chim Acta* 64: 91-3, 1 Oct 75 (Eng) \*DL/76AUG662

**APOPROTEINS (blood); CARBOHYDRATES (blood); COMPARATIVE STUDY; FASTING; HEXOSAMINES (blood); HEXOSES (blood); HUMAN; HYPERLIPIDEMIA (metabolism); LIPOPROTEINS (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); SIALIC ACIDS (blood).**

### Forsham PH

**ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION.** Charles MA, Imagawa W, Forsham PH, Grodsky GM *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70

### Forssmann A

**THE ULTRASTRUCTURE OF THE CELL TYPES IN THE ENDOCRINE PANCREAS OF THE HORSE.** Forssmann A *Cell Tissue Res* 167: 179-95, 16 Mar 76 (Eng) DL/76AUG30

**AGING; ANIMAL EXPERIMENTS (analysis); CYTOPLASMIC GRANULES (ultrastructure); FEMALE; HISTOLOGICAL TECHNIQS; HORSES (anatomy & histology); ISLANDS OF LANGERHANS (ultrastructure); LIPOFUSCIN (analysis); MALE.**

### Forster H

**[DIABETES THERAPY--CONCLUSION. SEQUEL 3: THERAPEUTIC FAILURES, COUNTERINDICATIONS OF DRUG THERAPY, SIDE-EFFECTS, THERAPY OF DISEASES AND SPECIAL CONDITIONS, THERAPY OF SIDE-EFFECTS]** Forster H, Forster H *Fortschr Med* 93: 1253-5, 25 Sep 75 (Ger) DL/76AUG108

**[HYPOGLYCEMIA. PART 4. GENERAL CAUSES, PHYSIOLOGICAL NEWBORN HYPERGLYCEMIA, HYPERGLYCEMIA IN VARIOUS ILLNESSES, METABOLIC DEFICIENCY AND METABOLIC ERROR]** Forster H *Fortschr Med* 94: 332-8, 19 Feb 76 (Ger) DL/76AUG109

**ADULT; ALCOHOLIC INTOXICATION (complications); CHILD; DIAGNOSIS, DIFFERENTIAL; DIARRHEA (complications); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERGLYCEMIA (etiology); INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (etiology); KETOSIS (complications); LIVER DISEASES (complications); MALABSORPTION SYNDROMES (complications); NEOPLASMS (complications); PREGNANCY IN DIABETES**

**(complications); PREGNANCY; STARVATION (complications); UREMIA (complications).**

**[THE METABOLISM OF MONOSACCHARIDES AND POLYOLS]** Forster H *Infusionstherapie* 2: 187-201, Jun 75 (Ger) \*DL/76AUG701

**BLOOD SUGAR (analysis); COMPARATIVE STUDY; ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (analysis); FRUCTOSE (metabolism); GLUCOSE (metabolism); INTESTINAL ABSORPTION; LACTATES (analysis); LIVER (physiology); MONOSACCHARIDES (metabolism); PARENTERAL FEEDING; PHOSPHATES (analysis); PURINES (metabolism); PYRUVATES (analysis); SORBITOL (metabolism); URIC ACID (biosynthesis); XYLITOL (metabolism).**

**[THE IMPORTANCE OF THE CARBOHYDRATE PORTION IN A SYNTHETIC DIET]** Forster H, Heller G, Fortmeyer HP *Infusionstherapie* 2: 327-36, Oct 75 (Ger) \*DL/76AUG702

**ADULT; AMINO ACIDS; ANIMAL; CHOLESTEROL (blood); DIARRHEA (etiology); DIETARY CARBOHYDRATES (metabolism); ENGLISH ABSTRACT; FRUCTOSE (metabolism, adverse effects); GLUCOSE (metabolism); HUMAN; MALE; NITROGEN (metabolism); OLIGOSACCHARIDES; RATS; TRIGLYCERIDES (blood); UREA (blood).**

### Fortmeyer HP

**[THE IMPORTANCE OF THE CARBOHYDRATE PORTION IN A SYNTHETIC DIET]** Forster H, Heller G, Fortmeyer HP *Infusionstherapie* 2: 327-36, Oct 75 (Ger) \*DL/76AUG702

### Foster JH

**FEMOROPLOPITAL BYPASS FOR SALVAGE AND CLAUDICATION: A COMPARISON OF LONG-TERM RESULTS.** Martin CE, Foster JH *South Med J* 69: 420-3, Apr 76 (Eng) DL/76AUG340

### Fotino M

**THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS.** Rubinstein P, Scuci-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisiadis L, Hardy MA, Reemtsma K, Allen FH Jr *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

### Fouchereau-Peron M

**EFFECT OF FEEDING AND FASTING ON THE EARLY STEPS OF GLUCAGON ACTION IN ISOLATED RAT LIVER CELLS.** Fouchereau-Peron M, Rancan F, Freychet P, Rosselin G *Endocrinology* 98: 755-60, Mar 76 (Eng) DL/76AUG71

**ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS (analysis); BINDING SITES; CELLS, CULTURED; EATING; FASTING; FEMALE; GLUCAGON (metabolism); LIVER (drug effects, enzymology, metabolism); RATS; RECEPTORS, HORMONE; THEOPHYLLINE (pharmacodynamics).**

### Fox M

**PANCREATIC ISCHAEMIA; SENSITIVITY AND REVERSIBILITY OF THE CHANGES.** Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

### Franchimont P

**[ABSENCE OF SOMATOSTATIN EFFECT ON NEUROHYPOPHYSEAL FUNCTION IN MAN]** Legros JJ, Brison J, Franchimont P *C R Soc Biol (Paris)* 168: 1442-5, 1974 (Fre) \*DL/76AUG647

### Frantz ID 3d

**CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL.** Frantz ID 3d, Medina G, Tausch HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng) \*DL/76AUG722

**BLOOD SUGAR (analysis); HUMAN; INDICATORS AND REAGENTS; INFANT, NEWBORN; METHODS; REAGENT STRIPS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**

### Fratino P

**[INSULIN AVAILABILITY IN SOME FAMILIAL INHERITED NEUROLOGICAL SYNDROMES (AUTHORS TRANSL)]** Fratino P, Kauchtschischvili G, Nappi G, Poloni M, Favino A, Criffo A *Riv Patol Nerv Ment* 95: 624-31, Oct 74 (Ita) DL/76AUG335

**ADOLESCENCE; ADULT; AGED; BLOOD SUGAR (analysis); CEREBELLAR ATAXIA (familial & genetic); CHOREA, HEREDITARY (physiopathology); ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (biosynthesis); LEG; MALE; MIDDLE AGE; MUSCULAR ATROPHY (familial & genetic); MYOTONIA ATROPHICA (familial & genetic); NERVOUS SYSTEM DISEASES (familial & genetic); PARAPLEGIA (familial & genetic); SPINAL CORD DISEASES (familial & genetic).**

### Frau G

**[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS]** Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardioangi* 23: 718-27, Nov 75 (Ita) DL/76AUG275

### Frayn KN

**EFFECTS OF INSULIN-FREE PLASMA ON THE CHARCOAL-SEPARATION METHOD FOR RADIOIMMUNOASSAY OF INSULIN.** Frayn KN *Horm Metab Res* 8: 102-5, Mar 76 (Eng) DL/76AUG110

**ANIMAL EXPERIMENTS (analysis); CHARCOAL; EVALUATION STUDIES; INSULIN (blood, isolation & purification); RADIOIMMUNOASSAY (methods); RATS.**

### Freed S

**CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETER-TO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE.** Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

### Freeman BM

**[THERMOREGULATION IN THE YOUNG FOWL (GALLUS DOMESTICUS)].** Freeman BM *Comp Biochem Physiol [A]* 54: 141-4, 1976 (Eng) DL/76AUG57

**ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR; BODY TEMPERATURE REGULATION; CARBOHYDRATES (metabolism); CHICKENS; COLD; FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON (blood); HANDLING (PSYCHOLOGY); LACTATES (blood); LIPIDS (metabolism); LIVER (metabolism); MALE; MUSCLES (metabolism); OXYGEN CONSUMPTION.**

### Freychet P

**EFFECT OF FEEDING AND FASTING ON THE EARLY STEPS OF GLUCAGON ACTION IN ISOLATED RAT LIVER CELLS.** Fouchereau-Peron M, Rancan F, Freychet P, Rosselin G *Endocrinology* 98: 755-60, Mar 76 (Eng) DL/76AUG71

## Freyria J

[SCREENING FOR HYPERLIPIDEMIA IN YOUNG ADULTS] Fromantin M, Freyria J, Drieu M, Bon R. *Nouv Presse Med* 5: 851-2, 27 Mar 76 (Fre) DL/76AUG295

## Frezza S

POTENTIATION OF HYPOGLYCEMIC RESPONSE TO INTRAVENOUS TOLBUTAMIDE BY CLOFIBRATE. Ferrari C, Frezzati S, Testori GP, Bertazzoni A. *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG265

## Frieden E

NON-COVALENT INTERACTIONS. KEY TO BIOLOGICAL FLEXIBILITY AND SPECIFICITY. Frieden E. *J Chem Educ* 52: 754-6, Dec 75 (Eng) \*DL/76AUG541  
ADAPTATION, BIOLOGICAL; ANTIBODY SPECIFICITY; ANTIGEN-ANTIBODY REACTIONS; BIOCHEMISTRY; CARRIER PROTEINS; HEMOGLOBIN, SICKLE; IRON (blood); MODELS, CHEMICAL; PROTEIN BINDING; RECEPTORS, HORMONE; SERUM ALBUMIN; STRUCTURE-ACTIVITY RELATIONSHIP.

## Friedman GD

PREDICTORS OF SUDDEN CARDIAC DEATH. Friedman GD, Klatsky AL, Siegel AB. *Circulation* 52: 164-9, Dec 75 (Eng) \*DL/76AUG656  
ADULT; AGE FACTORS; AGED; BLOOD PRESSURE; BLOOD SUGAR (analysis); CALIFORNIA; CHOLESTEROL (blood); CORONARY DISEASE (diagnosis, blood, mortality); DEATH, SUDDEN; ELECTROCARDIOGRAPHY; HUMAN; LEUKOCYTE COUNT; MALE; MIDDLE AGE; MULTIPHASIC SCREENING; OBESITY (diagnosis); PROGNOSIS; RISK; SKINFOLD THICKNESS; SMOKING; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

## Friedmann P

THE SEQUENTIAL FEMOROPLOPLATE BYPASS GRAFT. A FIVE YEAR EXPERIENCE. Friedmann P, DeLaurentis DA, Rhee SW. *Am J Surg* 131: 452-6, Apr 76 (Eng) DL/76AUG443  
AGED; ARTERIAL OCCLUSIVE DISEASES (surgery); BLOOD VESSEL PROSTHESES; DIABETIC ANGIOPATHIES (surgery); ENDARTERECTOMY; FEMALE; FEMORAL ARTERY (surgery); GRAFT REJECTION; HUMAN; LEG (blood supply); MALE; MIDDLE AGE; POPLITEAL ARTERY (surgery); SAPHENOUS VEIN (transplantation); SEX FACTORS; TRANSPLANTATION, AUTOLOGOUS; TRANSPLANTATION, HETEROLOGOUS; VASCULAR SURGERY (methods).

## Friedrichs D

STIMULATION OF RENAL GLUCONEOGENESIS BY L-ALANINE AND AIB. Friedrichs D, Schoner W. *Curr Probl Clin Biochem* 4: 79-84, 1975 (Eng) \*DL/76AUG493  
ALANINE (pharmacodynamics); AMINOISOBUTYRIC ACID (pharmacodynamics); ANIMAL EXPERIMENTS; CARBON DIOXIDE (metabolism); FRUCTOSE (metabolism); FRUCTOSEPHOSPHATES (pharmacodynamics); GLUCONEOGENESIS (drug effects); IN VITRO; KIDNEY CORTEX (metabolism); KIDNEY TUBULES (metabolism); LACTATES (metabolism); PYRUVATE KINASE (metabolism); RATS.

## Fritz SD

ENERGY METABOLISM IN SHOCK. Fritz SD. *Heart Lung* 4: 615-8, Jul-Aug 75 (Eng) \*DL/76AUG521  
ADENOSINE TRIPHOSPHATE (metabolism); CARBOHYDRATES (metabolism); ENERGY METABOLISM; GLYCOLYSIS; HUMAN;

LACTATES (metabolism); LIPIDS (metabolism); PROTEINS (metabolism); SHOCK (metabolism).

## Frohmman LA

SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES. Bernardis LL, Goldman JK, Chlouverakis C, Frohman LA. *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205

## Frolich JC

INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS. Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA. *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

## Fromantin M

[SCREENING FOR HYPERLIPIDEMIA IN YOUNG ADULTS] Fromantin M, Freyria J, Drieu M, Bon R. *Nouv Presse Med* 5: 851-2, 27 Mar 76 (Fre) DL/76AUG295  
ADULT; ATHEROSCLEROSIS (prevention & control); CHOLESTEROL (blood); DIABETES MELLITUS (occurrence); FRANCE; HUMAN; HYPERLIPIDEMIA (occurrence); LIPIDS (blood); MALE; MASS SCREENING; MILITARY MEDICINE; TRIGLYCERIDES (blood).

## Fromter E

THE EFFECT OF INHIBITORS AND DIURETICS ON ACTIVE TRANSPORT POTENTIALS IN RAT KIDNEY PROXIMAL TUBULE. Fromter E. *Curr Probl Clin Biochem* 4: 119-25, 1975 (Eng) \*DL/76AUG484  
ACETAZOLAMIDE (pharmacodynamics); AMILORIDE (pharmacodynamics); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE (drug effects); CYANIDES (pharmacodynamics); DIURETICS (pharmacodynamics); ETHACRYNIC ACID (pharmacodynamics); FUROSEMIDE (pharmacodynamics); GLUCOSE (pharmacodynamics); KIDNEY TUBULES, PROXIMAL (metabolism); MEMBRANE POTENTIALS (drug effects); OUABAIN (pharmacodynamics); POLYLYSINE (pharmacodynamics); RATS.

## Frowein J

[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE] Frowein J, Petersen KG. *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62  
ADIPOSE TISSUE; ADRENAL GLANDS; CELL MEMBRANE; CORTICOTROPIN; GLUCAGON; GONADOTROPINS; HUMAN; INSULIN; LIVER; MONOCYTES; MUTATION; NEOPLASMS; OVARY; PEPTIDES; RECEPTORS, HORMONE; TESTIS; THYMUS GLAND.

## Fuhrmann GF

YEAST PLASMA MEMBRANE VESICLES SUITABLE FOR TRANSPORT STUDIES. Wehrli E, Boehm C, Fuhrmann GF. *J Bacteriol* 124: 1594-7, Dec 75 (Eng) \*DL/76AUG525

## Fujii N

STUDIES ON PEPTIDES. III. APPLICATION OF THE TRIFLUOROMETHANESULFONIC ACID PROCEDURE TO THE SYNTHESIS OF A PEPTIDE WITH SOMATOSTATIN ACTIVITY. Fujii N, Yajima H. *Chem Pharm Bull (Tokyo)* 23: 1596-603, Jul 75 (Eng) \*DL/76AUG655  
METHANESULFONATES; METHODS; PEPTIDES (chemical synthesis); SOMATOTROPIN RELEASE INHIBITING HORMONE (chemical synthesis).

## Fukushima N

[EFFECT OF ACUTE COLD EXPOSURE ON BLOOD COMPOSITION IN RATS TREATED WITH 6-HYDROXYDOPAMINE (AUTHORS TRANSL)] Honma K, Fukushima N, Maekubo H, Itoh S. *Hokkaido J Med Sci* 50: 299-303, May 75 (Jpn) \*DL/76AUG517

## Fulgraff G

INTERACTION OF ETHACRYNIC ACID WITH CONTROL SITES OF RENAL GLUCOSE METABOLISM. Fulgraff G, Dingler-Nunemann H. *Curr Probl Clin Biochem* 4: 131-4, 1975 (Eng) \*DL/76AUG486  
ACETOACETATES (metabolism); ANIMAL EXPERIMENTS; BUTYRATES (metabolism); ETHACRYNIC ACID (pharmacodynamics); GLUCOSE (metabolism); GLYCERIN (metabolism); HEXOSEDIPHOSPHATASE (metabolism); KIDNEY CORTEX (metabolism); LACTATES (metabolism); MALATES (metabolism); PHOSPHOFRUCTOKINASE (metabolism); RATS.

## Furuno K

METABOLIC STUDIES ON THE DEVELOPMENT OF ETHANOL-INDUCED FATTY LIVER IN KK-A<sup>y</sup> MICE. Arakawa M, Taketomi S, Furuno K, Matsuo T, Iwatsuka H. *J Nutr* 105: 1500-8, Dec 75 (Eng) \*DL/76AUG549

## Fussganger RD

BINDING AND DEGRADATION OF INSULIN BY HUMAN PERIPHERAL GRANULOCYTES. DEMONSTRATION OF SPECIFIC RECEPTORS WITH HIGH AFFINITY. Fussganger RD, Kahn CR, Roth J, De Meyts P. *J Biol Chem* 251: 2761-9, 10 May 76 (Eng) DL/76AUG134  
BINDING SITES; BINDING, COMPETITIVE; BUFFERS; GRANULOCYTES (metabolism); HUMAN; INSULIN (metabolism); KINETICS; LEUKOCYTES (metabolism); LYMPHOCYTES (metabolism); PHILIPPINES (physiology); PROTEIN BINDING; RECEPTORS, HORMONE.

## Fyfe MJ

A REDUCTION IN ENERGY-DEPENDENT AMINO ACID TRANSPORT BY MICROTUBULAR INHIBITORS IN EHRICH ASCITES TUMOR CELLS. Fyfe MJ, Loftfield S, Goldman ID. *J Cell Physiol* 86: 201-11, Oct 75 (Eng) \*DL/76AUG537  
ALKALOIDS (pharmacodynamics); AMINOISOBUTYRIC ACID (metabolism); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); CELL LINE; COLCHICINE (pharmacodynamics); DEPRESSION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; GLUCOSE (pharmacodynamics); MICROTUBULES (drug effects); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VINCA ALKALOIDS (pharmacodynamics); VINCRISTINE (pharmacodynamics).

## Fyhrquist F

EDITORIAL: HORMONE RECEPTOR RESEARCH: PROBLEMS AND PROMISES. Fyhrquist F. *Scand J Clin Lab Invest* 35: 385-90, Sep 75 (Eng) [27] \*DL/76AUG845  
ACETYLCHOLINE (physiology); BREAST NEOPLASMS (metabolism); ESTROGENS (metabolism); GLYCOPROTEINS; LYMPHOCYTES (metabolism); PARASYMPATHOLYTICS (pharmacodynamics); PEPTIDES; RADIOLOGICAL ASSAY; RECEPTORS, HORMONE; REVIEW.

## Gabbe SG

REMISSION OF DIABETES MELLITUS DURING PREGNANCY. Gabbe SG, Dierzeger GS, Mestman JH. *Am J Obstet Gynecol* 125: 264-5, 15 May 76 (Eng) DL/76AUG432

## Gabow PA

ADULT; CASE REPORT; FEMALE; HUMAN; INSULIN (administration & dosage, therapeutic use); INSULINASE (metabolism); PLACENTAL LACTOGEN (metabolism); PREGNANCY IN DIABETES (drug therapy); PREGNANCY IN DIABETES (metabolism); PREGNANCY; REMISSION; SEX HORMONES (metabolism).

## Gabow PA

TUBULOINTERSTITIAL AND GLOMERULAR NEPHRITIS ASSOCIATED WITH RIFAMPIN. REPORT OF A CASE. Gabow PA, Lacher JW, Neff TA. *JAMA* 235: 2517-8, 7 Jun 76 (Eng) DL/76AUG209

AUTOANTIBODIES (analysis); BASEMENT MEMBRANE (immunology); CASE REPORT; COMPLEMENT 3 (analysis); CREATININE (blood); FIBRINOGEN (analysis); GLOMERULONEPHRITIS (chemically induced); GLYCOSURIA (chemically induced); HUMAN; IGA (analysis); IGG (analysis); KIDNEY FAILURE, ACUTE (chemically induced); KIDNEY TUBULES (immunology); MALE; METHODS; MIDDLE AGE; NEPHRITIS, INTERSTITIAL (chemically induced); RIFAMPIN (administration & dosage, adverse effects, therapeutic use); TIME FACTORS; TUBERCULOSIS, PULMONARY (drug therapy).

## Gabunira RI

STUDY OF THE CONTENT OF TOTAL POTASSIUM IN PATIENTS WITH DIABETES MELLITUS BY THE METHOD OF WHOLE BODY RADIOMETRY] Ershova IM, Gabunira RI, Kaplan MA. *Ter Arkh* 47: 117-9, 1975 (Rus) DL/76AUG348

## Gabuzda TG

ALTERED GLUCOSE METABOLISM IN METASTATIC CARCINOMA. Holroyde CP, Gabuzda TG, Putnam RC, Paul P, Reichard GA. *Cancer Res* 35: 3710-4, Dec 75 (Eng) \*DL/76AUG477

## Gacs G

SERUM INSULIN VALUES DURING ORAL GLUCOSE TOLERANCE TEST IN VARIOUS AGE GROUPS. Kerpel-Fronius E, Gacs G. *Acta Paediatr Acad Sci Hung* 16: 197-202, 1975 (Eng) DL/76AUG413

## Gagnon MA

EVALUATION BY MULTIPLE REGRESSION ANALYSIS OF THE CLINICAL CHARACTERISTICS OF A SAMPLE OF ADULT-ONSET DIABETICS] Jequier JC, Gagnon MA, Annable I. *Union Med Can* 104: 935-43, Jun 75 (Fre) DL/76AUG355

## Galambos M

LETTER: ENERGIZING EFFECTS OF PIPERACETAZINE. Galambos M. *Am J Psychiatry* 132: 1333-4, Dec 75 (Eng) \*DL/76AUG610

BLOOD SUGAR; HUMAN; PHENOTHIAZINE TRANQUILIZERS (pharmacodynamics); PIPERACETAZINE (pharmacodynamics); SCHIZOPHRENIA (drug therapy); STIMULATION, CHEMICAL.

## Galle KR

A SIMULATION MODEL OF EXTRACELLULAR GLUCOSE DISTRIBUTION IN THE HUMAN BODY. Tiran J, Galle KR, Porte D Jr. *Ann Biomed Eng* 3: 34-46, Mar 75 (Eng) \*DL/76AUG888

## Galun R

THE PRESENCE OF INSULIN IN AND SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS. Ishay J, Gitter S, Galun R, Doron M, Laron Z. *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58

## Diabetes Literature—Author Index

### Gambardella S

GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBSE WOMEN. Fallucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D. *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

### Gamble DR

ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS. Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR. *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

### Gandhi SS

CARDIAC AND METABOLIC EFFECTS OF DIBUTYRYL CYCLIC AMP IN THE INTACT DOG HEART AND THE ISOLATED PERFUSED RAT HEART. Dhalla NS, Chernecki W, Gandhi SS, McNamara DB, Naimark A. *Recent Adv Stud Cardiac Struct Metab* 3: 233-50, 1973 (Eng) \*DL/76AUG793

### Ganguly U

STIMULATION OF EPINEPHRINE-SENSITIVE FAT CELL ADENYLATE CYCLASE BY CYTOSOL: EFFECT OF CHOLERA TOXIN. Ganguly U, Greenough WB 3d. *Proc Natl Acad Sci USA* 72: 3561-4, Sep 75 (Eng) \*DL/76AUG765

ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (enzymology, ultrastructure); ANIMAL EXPERIMENTS; CELL MEMBRANE (enzymology); CYTOSOL (metabolism, drug effects); DEPRESSION, CHEMICAL; DRUG SYNERGISM; ENTEROTOXINS (pharmacodynamics); ENZYME ACTIVATION; EPIDIDYMIS; EPINEPHRINE (pharmacodynamics); MALE; RATS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VIBRIO CHOLERAE.

### Gann DS

ROLE OF CORTISOL IN THE RESTITUTION OF BLOOD VOLUME AFTER HEMORRHAGE. Gann DS, Pirkle JC Jr. *Am J Surg* 130: 565-9, Nov 75 (Eng) \*DL/76AUG611

ADRENALCTOMY; ANIMAL EXPERIMENTS; BLOOD PROTEINS (physiology); BLOOD SUGAR (physiology); BLOOD VOLUME (drug effects); BODY FLUIDS (physiology); DOGS; DOSE-RESPONSE RELATIONSHIP, DRUG; HEMORRHAGE (physiopathology); HYDROCORTISONE (physiology, pharmacodynamics, administration & dosage); INTRACELLULAR FLUID (physiology); OSMOLAR CONCENTRATION; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Ganote E

EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS. Nandan R, Fisher JD, Towery EP, Brown DR, Ganote E, Jennings RB. *Atherosclerosis* 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924

### Ganzert G

ACUTE HEMODIALYSIS IN INTERNAL MEDICINE EMERGENCY THERAPY] Mampel E, Koall W, Ganzert G. *Z Gesamte Inn Med* 30: 175-6 contd, 1 Sep 75 (Ger) DL/76AUG383

### Garcia-Cambronero MT

AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR. Esteban-Altrriba J, Rene AM, Duran P, Cabero L, Giralt E, Carreras M, Garcia-Cambronero MT. *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724

### Garel JM

[PLASMA CALCITONIN LEVELS AND METABOLIC EFFECTS OF PORCINE CALCITONIN IN NEWBORN LAMBS (AUTHORS TRANSL)] Barlet JP, Michel MC, Theriez M, Savajol H, Garel JM. *J Physiol (Paris)* 68: 519-29, 1974 (Fre) \*DL/76AUG554

### Garlaschi C

THE EFFECT OF ALPHA1-24-CORTICOTROPIN ON GROWTH HORMONE RELEASE IN PREPUBERTAL CHILDREN. Caccamo A, Garlaschi C, di Natale B, del Guercio MJ, Chiumello G. *Helv Paediatr Acta* 30: 241-5, Oct 75 (Eng) \*DL/76AUG705

### Garot C

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A. *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

### Garrow JS

RESISTANCE TO SLIMMING: ADIPOSE TISSUE CELLULARITY STUDIES. Ashwell M, Priest P, Bondous M, Garrow JS. *Proc Nutr Soc* 34: 85a-86a, Sep 75 (Eng) \*DL/76AUG775

### Gassull MA

LETTER: METABOLIC EFFECTS OF BRAN. Leeds A, Gassull MA, Jenkins DJ, Alberti KG. *Br Med J* 1: 900-1, 10 Apr 76 (Eng) DL/76AUG22

LETTER: FOOD: INFLUENCE OF FORM ON ABSORPTION. Leeds AR, Gassull MA, Metz GL, Jenkins DJ. *Lancet* 2: 1213, 13 Dec 75 (Eng) \*DL/76AUG570

### Gattenlohner W

[ANGINA PECTORIS - CORONARY HEART DISEASE] Gattenlohner W. *Schwed Rev* 14: 16-8, 15 Apr 76 (Ger) DL/76AUG337

ANGINA PECTORIS (diagnosis); CORONARY DISEASE (etiology); DIABETES MELLITUS (complications); ELECTROCARDIOGRAPHY; GOUT (complications); HUMAN; HYPERLIPIDEMIA (complications); HYPERTENSION (complications); SMOKING (complications).

### Gau G

THE DISTRIBUTION OF PLACENTAL LACTOGEN IN THE HUMAN TERM PLACENTA. Gau G, Chard T. *Br J Obstet Gynaecol* 82: 790-3, Oct 75 (Eng) \*DL/76AUG473

CELL COUNT; FEMALE; HUMAN; PLACENTA (analysis, anatomy & histology, blood supply); PLACENTAL LACTOGEN (analysis); PREGNANCY; REGIONAL BLOOD FLOW; TROPHOBLAST (anatomy & histology).

### Gaultier M

[LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN] Bismuth C, Gaultier M, Conso F, Heuchin C, Assan R. *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298

### Gautheron DC

SOME PROPERTIES OF PIG HEART MITOCHONDRIAL CREATINE KINASE. Vial C, Gautheron DC. *Recent Adv Stud Cardiac Struct Metab* 3: 81-9, 1973 (Eng) \*DL/76AUG815

### Gautron JP

DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS. Ramirez VD, Gautron JP, Epelbaum J, Pattou E, Zamora A, Kordon C. *Mol Cell Endocrinol* 3: 339-50, Nov 75 (Eng) \*DL/76AUG508



## Gazdar C

INTERACTION OF ENZYME 1 OF THE PHOSPHOENOLPYRUVATE:SUGAR PHOSPHOTRANSFERASE SYSTEM WITH ADENYLATE CYCLASE OF ESCHERICHIA COLI. Peterkofsky A, Gazdar C *Proc Natl Acad Sci USA* 72: 2920-4, Aug 75 (Eng) \*DL/76AUG760

## Geck P

INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES. Lacko I, Wittke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

## Geffert G

[STUDY OF THE METABOLIC EFFECT OF MISCLERON (CLOFIBRATE) IN ANIMAL EXPERIMENTS] Kramer M, Bedo M, Blaskovits A, Geffert G, Tarjan R *Orv Hetil* 116: 2774-8, 23 Nov 75 (Hun) \*DL/76AUG579

## Genes SG

[LIVER AND DIABETES MELLITUS] Genes SG *Ter Arkh* 48: 119-28, 1976 (Rus) DL/76AUG350

ALLOXAN DIABETES (pathology); ANIMAL EXPERIMENTS (analysis); DIABETES MELLITUS (etiology); DOGS; FATTY LIVER (complications, etiology); FEMALE; GLYCOGEN (metabolism); HUMAN; HYPERGLYCEMIA (complications, etiology); INSULIN (physiology, secretion); ISLANDS OF LANGERHANS (pathology); LIPIDS (metabolism); LIVER CIRRHOSIS (complications, etiology); LIVER DISEASES (complications); LIVER (metabolism); MALE; RABBITS; RATS.

## Gennser G

MATERNAL SMOKING AND FETAL BREATHING MOVEMENTS. Gennser G, Marsal K, Brantmark B *Am J Obstet Gynecol* 123: 861-7, 15 Dec 75 (Eng) \*DL/76AUG608  
ADULT; APNEA (chemically induced); BLOOD SUGAR (analysis); CARBOXYHEMOGLOBIN (analysis); CLINICAL RESEARCH; COMPARATIVE STUDY; DOSE-RESPONSE RELATIONSHIP, DRUG; FEMALE; FETUS (drug effects); HEART RATE (drug effects); HUMAN; MATERNAL-FETAL EXCHANGE; NICOTINE (blood, pharmacodynamics); PREGNANCY; RESPIRATION (drug effects); SMOKING.

## Genz S

EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES. Wollenberger A, Shahab I, W. Krause EG, Genz S, Warbanow W, Nitschko S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

## George JC

EFFECT OF THERMAL STRESS AND DEHYDRATION ON PLASMA LEVELS OF GLUCOSE, FREE FATTY ACIDS AND GROWTH HORMONE IN THE PIGEON. John TM, McKeown BA, George JC *Arch Int Physiol Biochim* 83: 303-8, May 75 (Eng) \*DL/76AUG615

CHANGES IN METABOLITE CONCENTRATION IN THE PLASMA, LIVER AND MUSCLE OF FEED RESTRICTED JAPANESE QUAIL EXPOSED TO COLD. Thomas VG, George JC *Arch Int Physiol Biochim* 83: 505-18, Aug 75 (Eng) \*DL/76AUG616

## George WJ

ROLE OF CYCLIC GMP AS A MEDIATOR OF THE NEGATIVE INOTROPIC EFFECT OF ACETYLCHOLINE IN THE PERFUSED RAT

HEART. George WJ, Kadowitz PJ, Wilkerson RD *Recent Adv Stud Cardiac Struct Metab* 3: 331-9, 1973 (Eng) \*DL/76AUG799

ACETYLCHOLINE (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; ATROPINE (pharmacodynamics); FEMALE; GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics, metabolism); HEART RATE (drug effects); IN VITRO; MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (metabolism); RATS.

## Georgescu A

CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatu MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

## Georgescu M

CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatu MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

## Gero L

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G *Jr Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112  
ADULT; AGED; BLOOD SUGAR (metabolism); CALCIUM (blood, pharmacodynamics); DIABETES MELLITUS (blood); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; HYDROCORTISONE (blood); INSULIN (blood, immunology); MALE; MIDDLE AGE; RADIOIMMUNOASSAY; TIME FACTORS.

## Gerritsen GC

EXPERIMENTAL PREVENTION OF DIABETES IN PREDIABETES: STUDIES OF CHINESE HAMSTERS. Gerritsen GC *Compr Ther* 1: 25-9, May 75 (Eng) DL/76AUG53  
ANIMAL EXPERIMENTS (analysis); ANIMALS, NEWBORN; APPETITE REGULATION; BODY WEIGHT; DIABETES MELLITUS (familial & genetic, prevention & control); DISEASE MODELS, ANIMAL; EATING; FASTING; GENOTYPE; HAMSTERS; PREDIABETIC STATE (familial & genetic).

## Gershanovitch VN

CATABOLITE REPRESSION IN ESCHERICHIA COLI K12 MUTANTS DEFECTIVE IN GLUCOSE TRANSPORT. Gershanovitch VN, Yourovitskaya NV, Komissarova LV, Bolshakova TN, Erlagova RS, Bourd G *J Mol Gen Genet* 140: 81-90, 15 Sep 75 (Eng) \*DL/76AUG748

BIOLOGICAL TRANSPORT; ENZYME REPRESSION; ESCHERICHIA COLI (enzymology); GALACTOSIDASES (biosynthesis); GENOTYPE; GLUCOSE (metabolism); MUTATION.

## Gessner G

[ADAPTATION OF RATS FOLLOWING SODIUM-NITRITE-INDUCED METHEMOGLOBINEMIA] Pankow D, Ponsold W, Liedke MD, Gessner G, Pfordte A *Acta Biol Med Ger* 34: 1205-9, 1975 (Ger) \*DL/76AUG597

## Giarelli L

[AMYLOIDOSIS OF THE ISLANDS OF LANGERHANS AND ITS EFFECTS WITH REGARD TO THEIR CELLULAR COMPONENTS] Melato M, Antonutti G, Giarelli L, Mlac M *Pathologica* 67: 109-18, Mar-Apr 75 (Ita) DL/76AUG288

## Gibbons AP

RATE OF INCORPORATION OF CO<sub>2</sub> CARBON INTO GLUCOSE AND OTHER BODY CONSTITUENTS IN VIVO. Shipley RA, Gibbons AP *Can J Physiol Pharmacol* 53: 895-902, Oct 75 (Eng) \*DL/76AUG474

## Gibbs CL

FLUOROMETRIC AND MYOTHERMIC STUDIES OF CARDIAC ENERGETICS. Chapman JB, Gibbs CL *Recent Adv Stud Cardiac Struct Metab* 5: 449-55, 1975 (Eng) \*DL/76AUG835

## Gibson K

RAT MYOCARDIAL PROTEIN KINASES. I. CYTOSOL. Gibson K, Tichonicky L, Kruh J *Biochimie* 56: 1409-16, 1974 (Eng) \*DL/76AUG632

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL; CALCIUM (pharmacodynamics); CASEIN (metabolism); CYTOSOL (enzymology); ENZYME ACTIVATION; HISTONES (metabolism); HYDROXYMERCURIBENZOATES (pharmacodynamics); MAGNESIUM (pharmacodynamics); MALE; MERCAPTOETHANOL (pharmacodynamics); MUSCLE PROTEINS (metabolism); MYOCARDIUM (enzymology); PHILIPPINES; PHOSVITIN (metabolism); POTASSIUM (pharmacodynamics); PROTEIN KINASE (analysis, isolation & purification, antagonists & inhibitors); RATS; SODIUM (pharmacodynamics).

## Gilhoie DD

ACCELERATIVE EXCHANGE DIFFUSION KINETICS OF GLUCOSE BETWEEN BLOOD AND BRAIN AND ITS RELATION TO TRANSPORT DURING ANOXIA. Betz AL, Gilhoie DD, Drewes LR *Biochim Biophys Acta* 401: 416-28, 2 Sep 75 (Eng) \*DL/76AUG624

## Gill TS

EFFECT OF STREPTOZOTOCIN ON THE BLOOD GLUCOSE LEVEL AND HISTOLOGY OF THE PRINCIPAL ISLETS OF CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS *Z Mikrosk Anat Forsch* 89: 319-26, 1975 (Eng) DL/76AUG391

ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (metabolism); DOSE-RESPONSE RELATIONSHIP, DRUG; FEMALE; FISHES (anatomy & histology, blood); ISLANDS OF LANGERHANS (anatomy & histology, drug effects); MALE; STREPTOZOTOCIN (pharmacodynamics).

## Ginsberg H

INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET. Ginsberg H, Olefsky JM, Kimmmerling G, Crapo P, Reaven GM *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145

ADULT; BLOOD SUGAR (metabolism); CHOLESTEROL (blood); DIETARY FATS; FASTING; FEMALE; HUMAN; HYPERLIPIDEMIA (blood, chemically induced); INSULIN (blood); MALE; MIDDLE AGE; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.).

## Ginsberg H

### Giralt E

AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR. Esteban-Altrriba J, Rene AM, Duran P, Cabero L, Giralt E, Carreras M, Garcia-Cambronero MT. *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724

### Girard JR

[LACTIC ACIDOSIS INDUCED BY BIGUANIDES] Assan R, Heuclin C, Girard JR, Attali JR. *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297

### Girod C

[OPTICAL MICROSCOPIC STUDY OF THE EFFECT OF THE HYPOTHALAMIC HORMONE T.R.H. ON CERTAIN CELL TYPES OF RAT ANTERIOR HYPOPHYSIS] Durand N, Berthezene F, Girod C. *C R Soc Biol (Paris)* 169: 334-8, 1975 (Fre) \*DL/76AUG650

### Giron BJ

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBESSE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H. *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

### Gitter S

THE PRESENCE OF INSULIN IN AND SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS. Ishay J, Gitter S, Galun R, Doron M, Laron Z. *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58

### Gjedde A

INDUCTION PROCESSES IN BLOOD-BRAIN TRANSFER OF KETONE BODIES DURING STARVATION. Gjedde A, Crone C. *Am J Physiol* 229: 1165-9, Nov 75 (Eng) \*DL/76AUG609

ACETOACETATES (metabolism); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); BLOOD-BRAIN BARRIER; BRAIN (metabolism, enzymology); FEMALE; HYDROXYBUTYRATES (metabolism); KETONE BODIES (metabolism); KINETICS; MALE; RATS; STARVATION (metabolism); TIME FACTORS.

### Gladysz A

[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES] Milewicz A, Stepień-Dobrowolska M, Szklarz E, Glebowska H, Gladysz A, Czarnecka J. *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

### Glebowska H

[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES] Milewicz A, Stepień-Dobrowolska M, Szklarz E, Glebowska H, Gladysz A, Czarnecka J. *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

### Gliedman ML

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETER-TO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ. *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

ANIMAL EXPERIMENTS (analysis); DIABETES MELLITUS, JUVENILE (surgery); DOGS; HUMAN; METHODS; PANCREAS (transplantation); PANCREATIC DUCTS (surgery); URETER (surgery).

## Diabetes Literature—Author Index

### Glignore V

[CHARACTERISTICS OF CHEMICAL DIABETES MELLITUS IN WOMEN] Petcu D, Motocu M, Glignore V. *Rev Med Intern [Med Intern]* 28: 145-51, Mar-Apr 76 (Rum) DL/76AUG334

### Godeau P

[LETTER: HYPOGLYCEMIA DURING BETA BLOCKING TREATMENT] Certin M, Wechsler B, Bletry O, Godeau P. *Nouv Presse Med* 5: 862, 27 Mar 76 (Fre) DL/76AUG296

### Goetze E

STUDIES ON PLASMA FREE-FATTY-ACID METABOLISM AND TRIGLYCERIDE SYNTHESIS OF BROWN ADIPOSE TISSUE IN VIVO DURING COLD-INDUCED THERMOGENESIS OF THE NEWBORN RABBIT. Schenk H, Heim T, Mende T, Varga F, Goetze E. *Eur J Biochem* 58: 15-22, 1 Oct 75 (Eng) \*DL/76AUG675

### Gohler H

[GLUCOSE CONCENTRATION IN BLOOD DURING EXERCITION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCITION IN VARIOUS BREEDS OF SWINE] Bunge U, Steinhart M, Riehm G, Gohler H, Bunge B, Lyhs L. *Arch Exp Veterinaermed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

### Gola E

[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P. *Minerva Cardioangi* 23: 718-27, Nov 75 (Ita) DL/76AUG275

### Gold RM

GLUCOPRIVIC (2DG) EATING IN RATS DESPITE KNIFE CUT INDUCED HYPERPHAGIA. Houpt KA, Gold RM. *Pharmacol Biochem Behav* 3: 583-8, Jul-Aug 75 (Eng) \*DL/76AUG781

### Goldberg JM

DIAGNOSTIC USE OF PANCREATIC LIPASE DETERMINATION BY RADIAL ENZYME DIFFUSION, AND DESIGN OF A ROUTINE PANCREATIC PROFILE. Goldberg JM. *Clin Chem* 22: 638-42, May 76 (Eng) DL/76AUG40

ALKALINE PHOSPHATASE (blood, metabolism); AMYLASE (blood, urine); CREATININE (blood, urine); DIAGNOSIS, DIFFERENTIAL; DIFFUSION; ENZYME TESTS; HUMAN; HYPERGLYCEMIA (enzymology); ISOENZYMES (blood); LIPASE (blood, diagnostic use); LIVER (enzymology); METHODS; PANCREAS (enzymology); PANCREATIC DISEASES (diagnosis); UREMIA (enzymology).

### Goldberg MF

IMMEDIATE FUNDUS COMPLICATIONS AFTER RETINAL SCATTER PHOTOCOAGULATION. I. CLINICAL PICTURE AND PATHOGENESIS. Huamonte FU, Peyman GA, Goldberg MF, Lockett A. *Ophthalmic Surg* 7: 88-99, Spring 76 (Eng) DL/76AUG280

### Goldberg RS

[INSULIN CONTENT OF RAT BLOOD FOLLOWING INJURY TO THE VENTROMEDIAL SECTION OF THE HYPOTHALAMUS] Goldberg RS, Kasatkin IuN, Lazaris Ial, Smirnova LK. *Bull Eksp Biol Med* 79: 40-3, Jun 75 (Rus) DL/76AUG9

ANIMAL EXPERIMENTS (analysis); ENGLISH ABSTRACT; FEMALE; HYPOTHALAMUS (physiology); INSULIN (blood); OBESITY

(etiology); PANCREAS (physiology); RATS; VAGUS NERVE (physiology).

### Goldman ID

A REDUCTION IN ENERGY-DEPENDENT AMINO ACID TRANSPORT BY MICROTUBULAR INHIBITORS IN EHRICH ASCITES TUMOR CELLS. Fyfe MJ, Loftfield S, Goldman ID. *J Cell Physiol* 86: 201-11, Oct 75 (Eng) \*DL/76AUG537

### Goldman JK

SIX-MONTH FOLLOW-UP IN WEANLING RATS WITH VENTROMEDIAL AND DORSOMEDIAL HYPOTHALAMIC LESIONS: SOMATIC, ENDOCRINE, AND METABOLIC CHANGES. Bernardis LL, Goldman JK, Chlouverakis C, Frohman LA. *J Neurosci Res* 1: 95-108, 1975 (Eng) DL/76AUG205

### Goldner AM

REABSORPTION OF D-GLUCOSE FROM VARIOUS REGIONS OF THE RAT PROXIMAL CONVOLUTED TUBULE: EVIDENCE THAT THE PROXIMAL CONVOLUTION IS NOT HOMOGENEUS. Bode F, Chan YL, Goldner AM, Papavasiliou F, Wagner M, Baumann K. *Curr Probl Clin Biochem* 4: 39-43, 1975 (Eng) \*DL/76AUG490

### Golli V

[CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS] Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanescu I, Bena A, Stefan O. *Rev Ig [Pneumofiziol]* 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843

ADOLESCENCE; ADULT; AGE FACTORS; AGED; ALANINE AMINOTRANSFERASE (blood); BLOOD PROTEIN DISORDERS (etiology); BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); CHILD; CHOLESTEROL (blood); FEMALE; HUMAN; MALE; MIDDLE AGE; PROGNOSIS; SEX FACTORS; TUBERCULOSIS, PULMONARY (blood, complications); UREA (blood).

### Gomez-Pan A

BROMOCRIPTINE THERAPY IN ACROMEGALY. Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK. *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

### Gonzalez MF

PARADOXICAL INCREASED FEEDING FOLLOWING GLUCOSE INFUSIONS IN RECOVERED LATERAL RATS. Novin D, Gonzalez MF, Sanderson JD. *Am J Physiol* 230: 1084-9, Apr 76 (Eng) DL/76AUG438

### Gonzalez Y

CHLOROQUINE RESISTANCE IN MALARIA: VARIATIONS OF SUBSTRATE-STIMULATED CHLOROQUINE ACCUMULATION. Fitch CD, Chebli R, Gonzalez Y. *J Pharmacol Exp Ther* 195: 389-96, Dec 75 (Eng) \*DL/76AUG551

### Gonzalez-Barcelona D

[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY] Gonzalez-Barcelona D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV. *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

ACROMEGALY (drug therapy); ADULT; DRUG EVALUATION; ENGLISH ABSTRACT; FEMALE; HUMAN; HYPOTHALAMUS (physiology); INJECTIONS, INTRAVENOUS; MALE; PITUITARY HORMONE RELEASE INHIBITING HORMONES (administration & dosage, metabolism); SOMATOTROPIN (blood,

## Diabetes Literature—Author Index

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### Gonzalez-Sanchez A

[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY] Gonzalez-Barcelona D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

### Goodgame RW

INTOLERANCE OF EIGHT OUNCES OF MILK IN HEALTHY LACTOSE-INTOLERANT TEEN-AGERS. Mitchell KJ, Bayless TM, Paige DM, Goodgame RW, Huang SS *Pediatrics* 56: 718-21, Nov 75 (Eng) \*DL/76AUG581

### Goodwin PM

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196  
ADULT; BLOOD SUGAR (metabolism); EPINEPHRINE (blood); FATTY ACIDS; NONESTERIFIED (blood); FEMALE; GLUCAGON (pharmacodynamics); HUMAN; HYDROCORTISONE (blood); INSULIN (blood); MALE; NOREPINEPHRINE (blood); SOMATOTROPIN (blood).

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197  
ADULT; BLOOD SUGAR (metabolism); CLONIDINE (therapeutic use); EPINEPHRINE (blood); FATTY ACIDS; NONESTERIFIED (blood); FEMALE; GLUCAGON (therapeutic use); HUMAN; HYDROCORTISONE (blood); INSULIN (blood); MALE; MIDDLE AGE; MIGRAINE (blood, drug therapy); NOREPINEPHRINE (blood); SOMATOTROPIN (blood).

### Goolamali SK

BROMOCRIPTINE THERAPY IN ACROMEGALY. Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

### Goschke H

ADVANTAGES AND DISADVANTAGES OF PARENTERAL HYPERALIMENTATION. PP. 130-6. Goschke H, Leutenegger A In: *Ohnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [21] DL/76AUG155*

ADULT; BLOOD SUGAR (metabolism); CATHETERIZATION (adverse effects); DIETARY CARBOHYDRATES; DIETARY FATS; FRUCTOSE (metabolism); GLUCOSE (metabolism); HUMAN; HYPERGLYCEMIA (etiology); MONOGRAPH (mortality); PARENTERAL FEEDING (adverse effects); PARENTERAL HYPERALIMENTATION (adverse effects); REVIEW; SEPTICEMIA (etiology); XYLITOL (metabolism).

### Goto Y

XYLITOL: STIMULATION OF INSULIN AND INHIBITION OF GLUCAGON RESPONSES TO ARGININE IN MAN. Seino Y, Taminato T, Inoue Y, Goto Y, Ikeda M *J Clin Endocrinol Metab* 42: 736-43, Apr 76 (Eng) DL/76AUG146

EFFECT OF AGING ON LIPID METABOLISM. Goto Y, Nakamura H, Hata Y, Asano E, Takeuchi I *Keio J Med* 24: 49-57, Apr 75 (Eng) \*DL/76AUG735

ADIPOSE TISSUE (metabolism); AGED; AGING; CHOLESTEROL (metabolism); FATTY ACIDS,

NONESTERIFIED (metabolism); FEMALE; HUMAN; LIPIDS (metabolism); MALE; MIDDLE AGE; TRIGLYCERIDES (metabolism).

### Gottschling D

[NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80

### Gould MK

SHORT-TERM MEASUREMENT OF D-XYLOSE UPTAKE BY ISOLATED RAT SOLEUS MUSCLE. Sloan IG, Korbl GP, Gould MK *Mol Cell Endocrinol* 4: 223-37, Mar 76 (Eng) DL/76AUG96

### Grab E

[METABOLIC BEHAVIOR AND UTILIZATION OF PARENTERALLY ADMINISTERED CARBOHYDRATES IN THE POSTOPERATIVE PHASE] Dolp R, Grab E, Knoche E, Ahnefeld FW *Infusionstherapie* 2: 103-10, Apr 75 (Ger) \*DL/76AUG699

### Gradmann D

ELECTROGENIC PROTON TRANSPORT IN THE PLASMA MEMBRANE OF NEUROSPORA. Slayman CL, Gradmann D *Biophys J* 15: 968-71, Sep 75 (Eng) \*DL/76AUG639

### Graham DY

ESOPHAGEAL MOTOR DYSFUNCTION IN SYSTEMIC DISEASES. Mukhopadhyay AK, Graham DY *Arch Intern Med* 136: 583-8, May 76 (Eng) [79] DL/76AUG458

### Grande F

SUGAR AND CARDIOVASCULAR DISEASE. Grande F *World Rev Nutr Diet* 22: 248-69, 1975 (Eng) [94] \*DL/76AUG863  
ANIMAL; ATHEROSCLEROSIS (etiology); CARDIOVASCULAR DISEASES (etiology); CHOLESTEROL (blood); CORONARY DISEASE (etiology); DIET, A THEROGENIC; DIETARY CARBOHYDRATES (adverse effects); FEMALE; HUMAN; HYPERLIPIDEMIA (metabolism, etiology); LIPIDS (blood); MALE; MIDDLE AGE; REVIEW; SEX FACTORS; STARCH; SUCROSE.

### Granovetter B

LETTER: UNIVERSITY GROUP DIABETES PROGRAM. Granovetter B *Postgrad Med* 59: 24, Apr 76 (Eng) DL/76AUG311  
ADMINISTRATION, ORAL; DIABETES MELLITUS (drug therapy); HUMAN; HYPOGLYCEMIC AGENTS (administration & dosage, therapeutic use).

### Grazl M

MEMBRANE EFFECTS ON HEPATIC MICROSOMAL GLUCOSE-6-PHOSPHATASE. Grazl M *Hoppe Seyler's Z Physiol Chem* 356: 861-5, Jun 75 (Eng) \*DL/76AUG694  
ANIMAL; GALACTOSE (pharmacodynamics); GLUCOSEPHOSPHATASE (metabolism); HEXOSEPHOSPHATES (pharmacodynamics); KINETICS; MALE; MEMBRANES (enzymology); MICROSOMES, LIVER (enzymology); PHILIPPINES; PHOSPHOMONOESTERASES (metabolism); RATS.

### Greeff K

CALCIUM UPTAKE AND STORAGE IN ISOLATED HEART MITOCHONDRIA INFLUENCED BY SODIUM AND POTASSIUM IONS. Noack E, Greeff K *Recent Adv Stud Cardiac Struct Metab* 5: 165-70, 1975 (Eng) \*DL/76AUG829

### Green LF

BLOOD GLUCOSE PROFILES IN MAN AFTER INGESTION OF GLUCOSE SYRUP FRUCTIONS. Kearsley M, Fairhurst E, Green LF *Proc Nutr Soc* 34: 60a-61a, Sep 75 (Eng) \*DL/76AUG769

### Green NM

THE INFLUENCE OF LIPIDS ON THE CONFORMATION OF THE ADENOSINE TRIPHOSPHATASE OF SARCOPLASMIC RETICULUM AND OF OTHER MEMBRANE PROTEINS. Green NM *Biochem Soc Trans* 3: 604-6, 1975 (Eng) \*DL/76AUG501  
ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CALCIUM (metabolism); LIPIDS (physiology); MEMBRANES (metabolism, drug effects); PHOSPHOLIPIDS (pharmacodynamics); PROTEIN CONFORMATION; SARCOPLASMIC RETICULUM (enzymology, drug effects, metabolism); TRITONS (pharmacodynamics).

### Green SG

CERTAIN METABOLIC CONSEQUENCES OF JEJUNOILEAL BYPASS. Bendezu R, Wieland RG, Green SG, Hallberg MC, Marsters RW *Am J Clin Nutr* 29: 366-70, Apr 76 (Eng) DL/76AUG426

### Greengard O

HORMONAL REGULATION OF ENZYME SYNTHESIS DIFFERENTIATING MAMMALIAN TISSUES. PP. 55-61. Greengard O In: *Ohnefeld FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [13] DL/76AUG169*

ANIMAL EXPERIMENTS (analysis); BRAIN (enzymology); CELL DIFFERENTIATION; ENZYMES (biosynthesis); FETUS (enzymology); GENES; GLUCAGON (pharmacodynamics); HYDROCORTISONE (pharmacodynamics); KIDNEY (enzymology); LIVER (drug effects, enzymology); MALATE DEHYDROGENASE (biosynthesis); MONOGRAPH (mortality); RATS; REVIEW; THYROTROPIN (pharmacodynamics); TYROSINE AMINOTRANSFERASE (biosynthesis); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H. )

### Greenough WB 3d

SELECTIVE INHIBITION OF CHOLERA TOXIN- AND CATECHOLAMINE-STIMULATED LIPOLYSIS BY BLOCKING AGENTS. Katz MS, Greenough WB 3d *Infect Immun* 12: 964-8, Nov 75 (Eng) \*DL/76AUG519

STIMULATION OF EPINEPHRINE-SENSITIVE FAT CELL ADENYLATE CYCLASE BY CYTOSOL: EFFECT OF CHOLERA TOXIN. Ganguly U, Greenough WB 3d *Proc Natl Acad Sci USA* 72: 3561-4, Sep 75 (Eng) \*DL/76AUG765

### Gregoire F

GLOMERULAR METABOLISM IN THE RAT. Gregoire F *Curr Probl Clin Biochem* 4: 33-8, 1975 (Eng) \*DL/76AUG489  
ACETATES (metabolism); ANIMAL EXPERIMENTS; FRUCTOSE (metabolism); GLUCOSE (metabolism); HYPERTROPHY (metabolism); KIDNEY GLOMERULUS (metabolism); MALE; ORGAN WEIGHT; OXALOACETATES (metabolism); OXYGEN CONSUMPTION; PROTEINURIA (metabolism); RATS; SUCCINATES (metabolism).

### Gregoriadis G

PENETRATION OF TARGET AREAS IN THE RAT BY LIPOSOME-ASSOCIATED BLEOMYCIN, GLUCOSE OXIDASE AND INSULIN. Dapergolas G, Neerunjun ED, Gregoriadis G *FEBS Lett* 63: 235-9, 1 Apr 76 (Eng) DL/76AUG91

## Diabetes Literature—Author Index

### Greiding L

#### Greiding L

RESEARCH ON A NEW TYPE OF ANTIINSULIN ANTIBODY IN A DIABETIC FEMALE PATIENT: THE CYTOTOXIC ANTIBODY. ANTIINSULIN CYTOTOXIC ANTIBODY. Mathov E, Greiding L. *Allergol Immunopathol (Madr)* 4: 1-14, Jan-Feb 76 (Eng) DL/76AUG424

#### Grell GA

MEDICAL DISORDERS IN A SMALL CARIBBEAN ISLAND. AN ANALYSIS OF THE DISEASE OF ADULTS IN DOMINICA IN 1972 AND 1973. Grell GA. *Ann Trop Med Parasitol* 70: 1-10, Mar 76 (Eng) DL/76AUG455

ALCOHOLISM (occurrence); ANEMIA, SICKLE CELL (occurrence); ASTHMA (occurrence); DIABETES MELLITUS (occurrence); FEMALE; HOOKWORM INFECTIONS (occurrence); HUMAN; HYPERTENSION (occurrence); INTESTINAL DISEASES, PARASITIC (occurrence); MALE; MORBIDITY; MYOCARDIAL INFARCT (occurrence); PANCREATITIS (occurrence); RHEUMATIC FEVER (occurrence); STRONGYLOIDIASIS (occurrence); WEST INDIES.

#### Grier T

EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS. Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL. *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

#### Grimes AJ

THE EFFECT OF O-SALICYLATE UPON PENTOSE PHOSPHATE PATHWAY ACTIVITY IN NORMAL AND G6PD-DEFICIENT RED CELLS. Worathumrong N, Grimes AJ. *Br J Haematol* 30: 225-31, Jun 75 (Eng) \*DL/76AUG471

ANAEROBIC GLYCOLYSIS IN NORMAL HUMAN ERYTHROCYTES INCUBATED IN VITRO WITH SODIUM SALICYLATE. Worathumrong N, Grimes AJ. *Clin Sci Mol Med* 49: 375-84, Nov 75 (Eng) \*DL/76AUG482

#### Grinius L

ATP SYNTHESIS DRIVEN BY PROTONMOTIVE FORCE IMPOSED ACROSS ESCHERICHIA COLI CELL MEMBRANES. Grinius L, Slusnyte R, Griniuvienė B. *FEBS Lett* 57: 290-3, 1 Oct 75 (Eng) \*DL/76AUG681

ADENOSINE TRIPHOSPHATE (metabolism); CARBONYL CYANIDE M-CHLOROPHENYL HYDRAZONE (pharmacodynamics); CELL MEMBRANE (metabolism, drug effects); ELECTRON TRANSPORT; ESCHERICHIA COLI (metabolism, drug effects); HYDROGEN PEROXIDE (pharmacodynamics); MEMBRANE POTENTIALS; NIGERICIN (pharmacodynamics); PHILIPPINES; POTASSIUM (pharmacodynamics); VALINOMYCIN (pharmacodynamics).

#### Griniuvienė B

ATP SYNTHESIS DRIVEN BY PROTONMOTIVE FORCE IMPOSED ACROSS ESCHERICHIA COLI CELL MEMBRANES. Grinius L, Slusnyte R, Griniuvienė B. *FEBS Lett* 57: 290-3, 1 Oct 75 (Eng) \*DL/76AUG681

#### Grodsky GM

ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION. Charles MA, Imagawa W, Forsham PH, Grodsky GM. *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG90

DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISOLATION

PERFUSED RAT PANCREAS AND THE EFFECT OF CHEMICAL SYMPATHECTOMY. Lundquist I, Fanska R, Grodsky GM. *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72

#### Groseth-Dittich MF

METABOLIC AND CARDIOVASCULAR ABNORMALITIES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE. Vyden JK, Thorner J, Nagasawa K, Takano T, Groseth-Dittich MF, Perlow R, Swan HJ. *Am Heart J* 90: 703-8, Dec 75 (Eng) \*DL/76AUG604

#### Groth CG

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman J. *J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

#### Groza P

PLASMA CORTICOSTERONE SECRETION IN RATS AFTER IRRADIATION. Groza P, Vladescu C. *Physiologie* 12: 53-5, 1975 (Eng) \*DL/76AUG584

ADRENAL CORTEX (radiation effects, secretion); ADRENAL GLANDS (radiation effects); ADRENAL EXPERIMENTS; BLOOD SUGAR (analysis); CORTICOSTERONE (secretion, blood); MALE; RADIATION EFFECTS; RATS.

#### Guderjahn R

[TISSUE EXCISION AT THE INJECTION SITE AS A POSSIBLE EMERGENCY THERAPY IN SUICIDE USING DEPOT-INSULIN] Guderjahn R. *Med Welt* 27: 538-9, 12 Mar 76 (Ger) DL/76AUG239

ADULT; EMERGENCIES; HUMAN; HYPOLYCEMIA (therapy); INJECTIONS, SUBCUTANEOUS; INSULIN COMA (therapy); INSULIN (administration & dosage, analysis); MALE; SKIN (surgery); SUICIDE, ATTEMPTED.

#### Gudea MS

[CHANGES OF SERUM LIPIDS DURING PARENTERAL FEEDING WITH A 10 PERCENT OF SOY OIL SOLUTION (AUTHORS TRANSL)] Hernandez Lopez D, Rivera Hidalgo P, Gudea MS, Rivas y Rivas RM, Gutierrez Samperio C. *Prensa Med Mex* 40: 346-51, Nov-Dec 75 (Spa) DL/76AUG314

#### Guerra U

[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERINSULINISM AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS] Rusconi C, Cicogna R, Orlando G, Guerra U, Peroni A. *Minerva Cardioangiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

#### Guerrieri F

CHARGE SEPARATION AND ENERGY TRANSFER IN THE MITOCHONDRIAL MEMBRANE. Papa S, Guerrieri F, Lorusso M. *Biophys J* 15: 963-7, Sep 75 (Eng) \*DL/76AUG638

#### Guilbault GG

SEMI-SOLID SURFACE FLUOROMETRIC ANALYSIS OF GLUCOSE. Kiang SW, Kuan JW, Guilbault GG. *Clin Chem* 21: 1799-801, Nov 75 (Eng) \*DL/76AUG657

#### Gulubova R

[MORPHOLOGICAL CHANGES IN THE ENDOCRINE PANCREAS OF THE RABBIT AFTER THE ADMINISTRATION OF A MORUS ALBA EXTRACT] Gulubova R, Boiadzhiev Ts. *Exp Med Morfol* 14: 166-71, 1975 (Bul) DL/76AUG66

ANIMAL EXPERIMENTS (analysis); BASOPHILS (cytology, drug effects); ENGLISH

ABSTRACT; ISLANDS OF LANGERHANS (cytology, drug effects); PLANT EXTRACTS (pharmacodynamics); RABBITS; TIME FACTORS; TREES.

#### Guminska M

ENZYMATIC PATTERN OF GLUCOSE METABOLIC PATHWAYS IN PYRUVATE KINASE-DEFICIENT ERYTHROCYTES. Guminska M, Wazewska-Czyzewska M. *Clin Chim Acta* 64: 165-72, 15 Oct 75 (Eng) \*DL/76AUG663

ADENOSINE TRIPHOSPHATE (pharmacodynamics); ADULT; AGED; ANEMIA, HEMOLYTIC, CONGENITAL NONSPHEROCYTIC (enzymology, familial & genetic); BLOOD SUGAR (metabolism); ERYTHROCYTES (metabolism, drug effects); FEMALE; FRUCTOSEPHOSPHATES (pharmacodynamics); GLUCOSEPHOSPHATE DEHYDROGENASE (blood); HEXOKINASE (blood); HEXOSEDIPHOSPHATES (blood); HUMAN; LACTATE DEHYDROGENASE (blood); MAGNESIUM (blood, pharmacodynamics); PHOSPHOFRUCTOKINASE (blood); PYRUVATE KINASE (blood, deficiency).

#### Gunnarsson R

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman J. *J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

#### Gupta GS

RADIATION EFFECTS ON ALKALINE PHOSPHATASE AND GLUCOSE-6-PHOSPHATASE IN ANATOMICALLY DIFFERENT REGIONS OF MOUSE INTESTINE. Kaur A, Dubey DP, Gupta GS. *Strahlentherapie* 150: 427-32, Oct 75 (Eng) \*DL/76AUG855

#### Gustafsson BE

INFLUENCE OF CHOLESTEROL FEEDING ON LIVER MICROSOMAL METABOLISM OF STEROIDS AND BILE ACIDS IN CONVENTIONAL AND GERM-FREE RATS. Gustafsson BE, Einarsson K, Gustafsson J. *J Biol Chem* 250: 8496-502, 10 Nov 75 (Eng) \*DL/76AUG529

ANDROSTENEDIOL (metabolism); ANDROSTENEDIONE (metabolism); ANIMAL EXPERIMENTS; BILE ACIDS AND SALTS (metabolism); CHOLESTEROL, DIETARY (metabolism); CHOLIC ACIDS (metabolism); CYTOCHROME P-450 (metabolism); DEOXYCHOLIC ACID (metabolism); GERM-FREE LIFE; LITHOCHOLIC ACID (metabolism); MICROSOMES, LIVER (metabolism); MONKEYS; STEROIDS (metabolism).

#### Gustafsson J

INFLUENCE OF CHOLESTEROL FEEDING ON LIVER MICROSOMAL METABOLISM OF STEROIDS AND BILE ACIDS IN CONVENTIONAL AND GERM-FREE RATS. Gustafsson BE, Einarsson K, Gustafsson J. *J Biol Chem* 250: 8496-502, 10 Nov 75 (Eng) \*DL/76AUG529

#### Gustke H-H

PROPERTIES OF HUMAN PLACENTAL HEXOKINASE. Gustke H-H. *Enzyme* 20: 292-304, 1975 (Eng) \*DL/76AUG497

CYTOSOL (enzymology); FEMALE; HEXOKINASE (metabolism, isolation & purification); HUMAN; KINETICS; MITOCHONDRIA (enzymology); PLACENTA (enzymology); PREGNANCY.

#### Gutierrez Samperio C

[CHANGES OF SERUM LIPIDS DURING PARENTERAL FEEDING WITH A 10 PERCENT OF SOY OIL SOLUTION (AUTHORS TRANSL)] Hernandez Lopez D, Rivera Hidalgo



P, Guedea MS, Rivas y Rivas RM, Gutierrez Samperio C *Prensa Med Mex* 40: 346-51, Nov-Dec 75 (Spa) DL/76AUG314

#### Gutman M

THE QUEST FOR COUPLING SITE I. Singer TP, Gutman M *Horiz Biochem Biophys* 1: 261-302, 1974 (Eng) [48] \*DL/76AUG698

#### Guyda H

EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN. Lal S, Tolis G, Martin SB, Brown GM, Guyda H *J Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

#### Guyda JH

HETEROGENEITY OF HUMAN GROWTH HORMONE AND PROLACTIN SECRETED IN VITRO: IMMUNOASSAY AND RADIORECEPTOR ASSAY CORRELATIONS. Guyda JH *J Clin Endocrinol Metab* 41: 953-67, Nov 75 (Eng) \*DL/76AUG719

HUMAN; IN VITRO; PITUITARY GLAND (metabolism); PITUITARY NEOPLASMS (metabolism); PROLACTIN (biosynthesis); RADIOIMMUNOASSAY; RADIOLOGIC ASSAY; SOMATOTROPIN (biosynthesis).

#### Hadecke J

[RADIOIMMUNOLOGICAL DETERMINATIONS OF INSULIN IN SMALL SERUM SAMPLES USING WICK-CHROMATOGRAPHY] Ulrich E, Schneyer U, Hadecke J *Endokrinologie* 63: 364-7, 1974 (Ger) DL/76AUG79

#### Hadlich M

[CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA] Hadlich M, Kolb E *Arch Exp Veterinarmed* 29: 379-95, Jun 75 (Ger) \*DL/76AUG904

ANIMAL; BLOOD SUGAR (analysis); CALCIUM (therapeutic use, blood, administration & dosage); CATTLE DISEASES (drug therapy, blood); CATTLE; CHLORIDES (blood); DEFICIENCY DISEASES (veterinary, blood, drug therapy); ENGLISH ABSTRACT; MAGNESIUM DEFICIENCY; MAGNESIUM (therapeutic use, blood, administration & dosage); PHOSPHORUS (blood).

#### Haeflner EW

PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANSLATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY. Haeflner EW, Privett OS *Hoppe Seyler's Z Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692

ANIMAL; ARACHIDONIC ACIDS (pharmacodynamics); AZIDES (pharmacodynamics); CYTOCHROME OXIDASE (metabolism); DIETARY FATS; FATTY ACIDS, UNSATURATED (pharmacodynamics); GLUTAMATE DEHYDROGENASE (metabolism); GLUTATHIONE (pharmacodynamics); HYDROXYBUTYRATE DEHYDROGENASE (metabolism); HYPOPHYSECTOMY; MALE; MITOCHONDRIA, LIVER (metabolism, drug effects); MITOCHONDRIAL SWELLING (drug effects); PHOSPHATES, INORGANIC (pharmacodynamics); PITUITARY GLAND (physiology); POTASSIUM (pharmacodynamics); RATS; VALINOMYCIN (pharmacodynamics).

#### Haest CW

EXPERIMENTAL ALTERATION OF PHOSPHOLIPID-PROTEIN INTERACTIONS WITHIN THE HUMAN ERYTHROCYTE MEMBRANE. DEPENDENCE ON GLYCOLYTIC METABOLISM. Haest CW, Deuticke B *Biochim Biophys Acta* 401: 468-80, 2 Sep 75 (Eng) \*DL/76AUG626

ALCOHOLS, HEXYL (pharmacodynamics); BLOOD PROTEINS (metabolism); CELL MEMBRANE (metabolism, drug effects); CEPHALINS (metabolism); ERYTHROCYTES (metabolism, drug effects, ultrastructure); GLYCOLYSIS; HUMAN; PHOSPHATIDYL ETHANOLAMINE (metabolism); PROTEIN CONFORMATION; SULFHYDRYL REAGENTS (pharmacodynamics); TETRATHIONIC ACID (pharmacodynamics); TRINITROBENZENESULFONIC ACID (pharmacodynamics).

#### Hagenfeldt L

SUBSTRATE UTILIZATION BY THE INACTIVE LEG DURING ONE-LEG OR ARM EXERCISE. Ahlborg G, Hagenfeldt L, Wahren J *J Appl Physiol* 39: 718-23, Nov 75 (Eng) \*DL/76AUG707

#### Haider B

CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS. Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG557

#### Haider Z

COMPARATIVE STUDY OF GLIBENCLAMIDE & CHLORPROPAMIDE IN NEWLY DIAGNOSED MATURITY ONSET DIABETICS. Haider Z, Obaidullah S, Faysaz-ud-Din *JPMA* 26: 23-6, Feb 76 (Eng) DL/76AUG210

ADULT; AGED; BLOOD SUGAR; BODY WEIGHT; CHLORPROPAMIDE (adverse effects, therapeutic use); COMPARATIVE STUDY; DIABETES MELLITUS (drug therapy); DRUG EVALUATION; FEMALE; FOLLOW-UP STUDIES; GLIBENCLAMIDE (adverse effects, therapeutic use); HUMAN; MALE; MIDDLE AGE; TIME FACTORS.

#### Hall DL

SIMPLIFIED PERIMETRY. Hall DL, Cleasby GW *Ann Ophthalmol* 8: 279-82, Mar 76 (Eng) DL/76AUG451

ADULT; AGED; CASE REPORT; CEREBROVASCULAR DISORDERS (diagnosis); COMPARATIVE STUDY; DIABETIC RETINOPATHY (diagnosis); EYE DISEASES (diagnosis); FEMALE; HUMAN; MALE; MIDDLE AGE; MYOPIA (diagnosis); PERIMETRY (methods); RETINAL DETACHMENT (diagnosis).

#### Hall K

[SOMATOSTATIN AND SOMATOMEDINS—NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY] Efendic S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227

RADIOIMMUNOASSAY OF SOMATOMEDIN B. Yalow RS, Hall K, Luft R *Adv Metab Disord* 8: 73-83, 1975 (Eng) \*DL/76AUG603

#### Hall R

BROMOCRIPTINE THERAPY IN ACROMEGALY. Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

#### Hall RJ

PROGRESS REPORT. NORMAL AND ABNORMAL FOOD INTAKE. Hall RJ *Gut* 16: 744-52, Sep 75 (Eng) [89] \*DL/76AUG510

ANIMAL EXPERIMENTS; ANOREXIA NERVOSA (physiopathology); APPETITE DISORDERS (physiopathology); APPETITE (physiology); BLOOD SUGAR (physiology); BODY IMAGE; BRAIN DISEASES (physiopathology); EATING; EMOTIONS; GASTROINTESTINAL DISEASES (physiopathology); GASTROINTESTINAL HORMONES (physiology); GASTROINTESTINAL MOTILITY; GASTROINTESTINAL SYSTEM (physiology); HUMAN; HUNGER; HYPOTHALAMUS (physiology); OBESITY (physiopathology); REVIEW; TEMPERATURE.

#### Hall SE

RE-INCORPORATION OF CARBON ATOMS INTO PLASMA GLUCOSE IN NEWBORN DOGS. Hall SE, Hetenyi G Jr *Can J Physiol Pharmacol* 53: 967-8, Oct 75 (Eng) \*DL/76AUG476

AGING; ANIMAL EXPERIMENTS; ANIMALS; NEWBORN; BLOOD SUGAR (metabolism); CARBON RADIOISOTOPES; DOGS; ISOTOPE LABELING.

#### Hall WH

GASTRIC EMPTYING OF HYPERTONIC GLUCOSE IN DIABETES MELLITUS AND DUODENAL ULCER. Hall WH, Sanders LL *South Med J* 69: 433-5, Apr 76 (Eng) DL/76AUG341

DIABETES MELLITUS (blood, physiopathology); DUODENAL ULCER (blood, physiopathology); GASTRIC JUICE (secretion); GASTROINTESTINAL MOTILITY; GLUCOSE SOLUTION, HYPERTONIC; GLUCOSE TOLERANCE TEST; GLUCOSE; HUMAN; INSULIN (blood); STOMACH (physiopathology).

#### Hallberg D

FATTY ACID PATTERNS OF SERUM TRIGLYCERIDES AND SUBCUTANEOUS ADIPOSE TISSUE AFTER ILEAL BYPASS IN OBESITY. Kallner A, Hallberg D, Backman L *Scand J Gastroenterol* 10: 763-7, 1975 (Eng) \*DL/76AUG846

#### Hallberg MC

CERTAIN METABOLIC CONSEQUENCES OF JEJUNOILEAL BYPASS. Bendezu R, Wieland RG, Green SG, Hallberg MC, Marsters RW *Am J Clin Nutr* 29: 366-70, Apr 76 (Eng) DL/76AUG426

#### Haller H

[SIGNIFICANCE OF FATTY LIVER AS AN EARLY SYMPTOM OF DIABETES MELLITUS AND HYPERLIPOPROTEINEMIAS] Hanefeld M, Haller H, Renger F, Stotzner H *Dtsch Z Verdau Stoffwechselk* 34: 299-300, 1974 (Ger) DL/76AUG65

#### Hallfrisch J

EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS. Reiser S, Michaelis OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777

#### Hamasaki N

TRANSPORT OF PHOSPHOENOLPYRUVATE THROUGH RED CELL MEMBRANE IN ACIDIFIED ISOTONIC SUCROSE MEDIUM. Tomoda A, Hamasaki N, Minakami S *Biochem Biophys Res Commun* 66: 1127-30, 27 Oct 75 (Eng) \*DL/76AUG914

#### Hamilton EJ

UTILIZATION OF AMINO ACIDS ADMINISTERED ENTERALLY OR PARENTERALLY TO YOUNG PIGS. Keith MO, Peace RW, Botting HG, Hamilton EJ *J Nutr* 105: 1535-43, Dec 75 (Eng) \*DL/76AUG500

## Hamilton HB

### Hamilton HB

**EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS.** Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL. *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

### Hamilton W

**HUMAN GROWTH HORMONE.** Hamilton W. *Scott Med J* 20: 197-200, Sep 75 (Eng) DL/76AUG339

**ADOLESCENCE; CHILD; DWARFISM (blood, drug therapy); ELECTRIC STIMULATION; HUMAN; HYPOGLYCEMIA (blood); INSULIN (diagnostic use); SECRETORY RATE; SOMATOTROPIN RELEASE INHIBITING HORMONE (physiology); SOMATOTROPIN RELEASING HORMONE (physiology); SOMATOTROPIN (blood, secretion, therapeutic use).**

### Hamilton-Bruce RJ

**STANDARD SERUM CHEMICAL AND HAEMATOLOGICAL VALUES IN THE CHACMA BABOON (PAPIO URSINUS).** Steyn DG, Hamilton-Bruce RJ, Zuurmond TJ, Pharo R. *J S Afr Vet Assoc* 46: 191-6, Jun 75 (Eng) \*DL/76AUG555

### Hammes GG

**SIMPLE MODEL FOR HORMONE-ACTIVATED ADENYLATE CYCLASE SYSTEMS.** Hammes GG, Rodbell M. *Proc Natl Acad Sci USA* 73: 1189-92, Apr 76 (Eng) DL/76AUG317

**ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS (analysis); CELL MEMBRANE (enzymology); ENZYME ACTIVATION (drug effects); GLUCAGON (pharmacodynamics); GUANINE NUCLEOTIDES; LIVER (enzymology); MAGNESIUM (pharmacodynamics); MODELS, BIOLOGICAL; PHILIPPINES (physiology); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.H.).**

### Hampton JR

**BAROREFLEX SENSITIVITY AND RESPONSES TO THE VALSALVA MANOEUVRE IN SUBJECTS WITH DIABETES MELLITUS.** Bennett T, Hosking DJ, Hampton JR. *J Neurol Neurosurg Psychiatry* 39: 178-83, Feb 76 (Eng) DL/76AUG194

### Hanefeld M

**[SIGNIFICANCE OF FATTY LIVER AS AN EARLY SYMPTOM OF DIABETES MELLITUS AND HYPERLIPOPROTEINEMIAS]** Hanefeld M, Haller H, Renger F, Stotzner H. *Dtsch Z Verdau Stoffwechselkr* 34: 299-300, 1974 (Ger) DL/76AUG65

**ADULT; BLOOD DONORS; DIABETES MELLITUS (complications, diagnosis); DIAGNOSIS, DIFFERENTIAL; FATTY LIVER (diagnosis, etiology); HUMAN; HYPERLIPOEMIA (blood, complications, diagnosis); LIPIDS (blood).**

### Hanjan SN

**EFFECT OF GROWTH HORMONE ON SURFACE CHARGE AND ELECTROPHORETIC MOBILITY OF THYMOCYTES FROM YOUNG AND AGED RATS.** Hanjan SN, Talwar GP. *Mol Cell Endocrinol* 3: 185-201, Sep 75 (Eng) \*DL/76AUG687

**AGING; ANIMAL; CYCLOHEXIMIDE (pharmacodynamics); ELECTROPHORESIS; IN VITRO; RATS; SOMATOTROPIN (pharmacodynamics); TEMPERATURE; THYMUS GLAND (ultrastructure, drug effects, growth & development); UNITED STATES GOVERNMENT SUPPORTED, NON-N.H.H.**

### Hanke P

**[STUDY OF METABOLISM IN RECONSTRUCTIVE OPERATIONS FOR DUMPING SYN-**

## Diabetes Literature—Author Index

**DROME]** Schober KL, Palkoska F, Viiachki I, Hanke P, Schultz K. *Khirurgia (Sofia)* 28: 122-6, 1975 (Bul) DL/76AUG214

### Hannah EE

**OBESITY IN A NEW ZEALAND COMMUNITY.** Benson-Cooper D, Bird D, Laing JK, Hannah EE, Carrell RW, Beaven DW. *NZ Med J* 82: 115-9, 27 Aug 75 (Eng) \*DL/76AUG754

### Hannan TJ

**CONSTANT LOW-DOSE INSULIN INFUSION IN SEVERE DIABETES MELLITUS.** Hannan TJ, Stathers GM. *Med J Aust* 1: 11-3, 3-10 Jan 76 (Eng) DL/76AUG249

**ACIDOSIS, DIABETIC (drug therapy); AGED; BLOOD SUGAR (analysis); CASE REPORT; DIABETIC COMA (blood, drug therapy); FEMALE; GLUCOSE (therapeutic use); HUMAN; HYPERTENSIVE (drug therapy); INFUSIONS, PARENTERAL; INSULIN (administration & dosage, therapeutic use); KETOSIS, DIABETIC (blood, drug therapy); MALE; OSMOLAR CONCENTRATION.**

### Hansen E

**A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS.** Hansen E, Larsen IF, Berg K. *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

**ADULT; BLINDNESS (familial & genetic); CHILD; COLOR PERCEPTION; DARK ADAPTATION; DEAFNESS (familial & genetic); DIABETIC RETINOPATHY (familial & genetic); ELECTRORETINOGRAPHY; ENDOCRINE DISEASES (familial & genetic); FEMALE; HUMAN; LIVER DISEASES (familial & genetic); MALE; RETINAL DEGENERATION (familial & genetic); TONOMETRY; VISION TESTS.**

### Hansen JD

**LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES; USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS.** Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I. *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG79

### Hansford RG

**THE STEADY STATE CONCENTRATIONS OF COENZYME A-SH AND COENZYME A THIOESTER, CITRATE, AND ISOCITRATE DURING TRICARBOXYLATE CYCLE OXIDATIONS IN RABBIT HEART MITOCHONDRIA.** Hansford RG, Johnson RN. *J Biol Chem* 250: 8361-75, 10 Nov 75 (Eng) \*DL/76AUG528

**ACETYL COENZYME A (metabolism); ADENOSINE DIPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; CARBONYL CYANIDE P-TRIFLUOROMETHOXYPHENYL-HYDRAZONE (pharmacodynamics); CITRATES (metabolism); COENZYME A (metabolism); ISOCITRATE DEHYDROGENASE (metabolism); ISOCITRATES (metabolism); KINETICS; KREBS CYCLE; LACTATE DEHYDROGENASE (metabolism); MITOCHONDRIA, MUSCLE (metabolism, drug effects); MYOCARDIUM (metabolism); NADH, NADPH OXIDOREDUCTASES (metabolism); OLIGOMYCIN (pharmacodynamics); OXYGEN CONSUMPTION; PYRUVATES (metabolism); RABBIT; SUCCINATES (metabolism).**

### Harano Y

**A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS.** Harano Y, Shimizu Y, Yoshida M,

Dtani N, Kim CI. *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399

**ADULT; AGED; AMYLASE (blood); DIABETES MELLITUS (drug therapy, enzymology); FEMALE; HUMAN; INSULIN (therapeutic use); LIPASE (blood); MALE; MIDDLE AGE; PANCREOZYMIN (pharmacodynamics); SECRETIN (pharmacodynamics); TRYPSIN (blood).**

### Hardonk MJ

**INITIAL EVENTS IN RADIATION-INDUCED ATHEROMATOSIS. I. ACTIVATION OF LYSSOMAL ENZYMES.** Konings AW, Hardonk MJ, Wieringa RA, Lamberts HB. *Strahlentherapie* 150: 444-8, Oct 75 (Eng) \*DL/76AUG856

### Hardy MA

**THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS.** Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisiadis L, Hardy MA, Reemtsma K, Allen FH Jr. *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

### Harisiadis L

**THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS.** Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisiadis L, Hardy MA, Reemtsma K, Allen FH Jr. *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

### Harmon JT

**INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA.** Harmon JT, Hill R. *J Supramol Struct* 4: 233-40, 1976 (Eng) DL/76AUG222

**ADENOCARCINOMA (metabolism); ANIMAL EXPERIMENTS (analysis); BINDING SITES; BIOLOGICAL TRANSPORT; BIOLOGICAL TRANSPORT, ACTIVE; BLOOD SUGAR (metabolism); DIFFUSION; FEMALE; GLUCOSE (metabolism); INSULIN (blood, metabolism); KINETICS; MAMMARY NEOPLASMS, EXPERIMENTAL (metabolism); METHYLGALACTOSIDES (metabolism); NEOPLASM PROTEINS (metabolism); PROTEIN BINDING; RATS; RECEPTORS, HORMONE; UNITED STATES GOVERNMENT SUPPORTED, N.H.).**

### Harnagea P

**CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT.** Steinbach M, Constantinescu M, Harnagea P, Theodorini M, Georgescu M, Georgescu A, Manicatlade MA, Voisoa R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F. *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

### Harned RK

**GLUCAGON AND BARIUM ENEMA EXAMINATIONS: A CONTROLLED CLINICAL TRIAL.** Harned RK, Stelling CB, Williams S, Wolf GI. *Am J Roentgenol* 126: 981-4, May 76 (Eng) DL/76AUG442

**ADULT; BARIUM SULFATE (diagnostic use); CLINICAL RESEARCH; COLON (drug effects, radiography); ELECTROCARDIOGRAPHY; ENEMA; FEMALE; GLUCAGON (administration & dosage, adverse effects, pharmacodynamics); HUMAN; MALE; MUSCLE RELAXANTS, CENTRAL (administration & dosage); PLACEBO; PREMEDICATION; UNITED STATES GOVERNMENT SUPPORTED, N.H.).**

### Harris AM

**THE EFFECTS OF THREE VAPORIZABLE FIRE EXTINGUISHING AGENTS ON**

**MYOCARDIAL METABOLISM AND CARDIOVASCULAR DYNAMICS IN THE ANESTHETIZED DOG.** Van Stee EW, Harris AM, Horton M., Back KC *Toxicol Appl Pharmacol* 34: 62-71, Oct 75 (Eng) \*DL/76AUG588

**Harris DM**

**SOME PROPERTIES OF BECLOMETHASONE DIPROPIONATE AND RELATED STEROIDS IN MAN.** Harris DM *Postgrad Med J* 51 SUPPL 4: 20-5, 1975 (Eng) \*DL/76AUG582  
ADMINISTRATION, ORAL; ADRENAL CORTX HORMONES (pharmacodynamics); ADULT; AEROSOLS; BECLOMETHASONE (pharmacodynamics, analogs & derivatives, administration & dosage); BLOOD SUGAR (analysis); CLINICAL RESEARCH; FEMALE; HUMAN; HYDROCORTISONE (blood); LEUKOCYTES (drug effects); MALE; METHYLPREDNISOLONE (analogs & derivatives); MIDDLE AGE.

**PROPERTIES AND THERAPEUTIC USES OF SOME CORTICOSTEROIDS WITH ENHANCED TOPICAL POTENCY.** Harris DM *J Steroid Biochem* 6: 711-6, May 75 (Eng) \*DL/76AUG736  
ADULT; AEROSOLS; ANTI-INFLAMMATORY AGENTS, TOPICAL; BECLOMETHASONE (pharmacodynamics, therapeutic use, analogs & derivatives); BETAMETHASONE 17-VALERATE (pharmacodynamics, therapeutic use); BETAMETHASONE (analogs & derivatives); BLOOD SUGAR (metabolism); DEXAMETHASONE ISONICOTINATE (pharmacodynamics, therapeutic use); DEXAMETHASONE (pharmacodynamics, therapeutic use, analogs & derivatives); HUMAN; HYDROCORTISONE (blood); LEUKOCYTES (drug effects).

**Harrison CE**

**45CA28 & ACCUMULATION BY MITOCHONDRIA AND SARCOPLASMIC RETICULUM IN CHRONIC POTASSIUM DEPLETION CARDIOMYOPATHY.** Kim ND, Harrison CE *Recent Adv Stud Cardiac Struct Metab* 4: 551-62, 1974 (Eng) \*DL/76AUG824

**Harrison CE Jr**

**ROLE OF MITOCHONDRIAL CALCIUM METABOLISM IN THE ALTERED CONTRACTILITY OF PRESSURE-HYPERTROPHIED RIGHT VENTRICULAR MYOCARDIUM.** Sack DW, Cooper G 4th, Stava RM Jr, Coleman HM 3rd, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 195-202, 1975 (Eng) \*DL/76AUG832

**MYOCARDIAL FUNCTION AND SUBCELLULAR CALCIUM METABOLISM IN CHRONIC POTASSIUM DEFICIENCY.** Sack DW, Kim ND, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 203-11, 1975 (Eng) \*DL/76AUG833

**Harrop JS**

**THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS.** Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

**THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE.** Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197

**Hart FD**

**HISTORY OF THE TREATMENT OF RHEUMATOID ARTHRITIS.** Hart FD *Br Med J* 1: 763-5, 27 Mar 76 (Eng) DL/76AUG17  
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(therapeutic use); REMISSION; SHOCK THERAPY, ELECTRIC; THERAPEUTIC CULTS.

**Hashimoto H**

**LIPID METABOLISM IN HUMAN CORONARY ARTERIES.** Bing RJ, Morita T, Hashimoto H, Larsen E *Recent Adv Stud Cardiac Struct Metab* 3: 53-8, 1973 (Eng) \*DL/76AUG803

**Hashimoto S**

**DEPENDENCE OF PLATELET ADENYL CYCLASE SYSTEM ON OXIDATIVE PHOSPHORYLATION.** Hashimoto S, Shibata S, Kobayashi B *Thromb Diath Haemorrh* 34: 42-9, 30 Sep 75 (Eng) \*DL/76AUG852  
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis); ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL; AZIDES (pharmacodynamics); BLOOD PLATELETS (metabolism); CYANIDES (pharmacodynamics); DEOXYGLUCOSE (pharmacodynamics); GLYCOLYSIS (drug effects); IODOACETATES (pharmacodynamics); MITOCHONDRIA (metabolism); OXIDATIVE PHOSPHORYLATION; RABBITS; SUCCINATES (pharmacodynamics); UNCOUPLING AGENTS (pharmacodynamics); 3,5-CYCLIC AMP PHOSPHODIESTERASE (metabolism).

**Haslam JM**

**THE ROLE OF UNSATURATED FATTY ACIDS IN MITOCHONDRIAL MEMBRANE FUNCTIONS.** Haslam JM, Fellows NF *Biochem Soc Trans* 3: 772-5, 1975 (Eng) \*DL/76AUG506  
ADENOSINE TRIPHOSPHATE (metabolism); ATRACTYLOSIDE (pharmacodynamics); BIOLOGICAL TRANSPORT; FATTY ACIDS, UNSATURATED (physiology); MEMBRANES (metabolism, drug effects); MITOCHONDRIA (metabolism, drug effects); NIGERICIN (pharmacodynamics); PERMEABILITY; SACCHAROMYCES CEREVISIAE (metabolism); VALINOMYCIN (pharmacodynamics).

**Hasselblatt A**

**INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLIC-AMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS.** Joost HG, Beckmann J, Lenzen S, Hasselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407

**Hassinen IE**

**CYCLIC AMP-LINKED MECHANISMS IN ETHANOL-INDUCED DERANGEMENTS OF METABOLISM IN RAT LIVER AND ADIPOSE TISSUE.** Jauhonen VP, Savolainen MJ, Hassinen IE *Biochem Pharmacol* 24: 1879-83, 15 Oct 75 (Eng) \*DL/76AUG919

**Hata T**

**[PROPRANOLOL-GLUCAGON LOADING TEST]** Okada Y, Watanabe K, Hata T, Kumahara Y *Jpn J Clin Med* 34: 410-3, 10 Feb 76 (Jpn) DL/76AUG211

**Hata Y**

**EFFECT OF AGING ON LIPID METABOLISM.** Goto Y, Nakamura H, Hata Y, Asano E, Takeuchi I *Keio J Med* 24: 49-57, Apr 75 (Eng) \*DL/76AUG735

**Hatefi Y**

**ENERGY CONSERVATION AND UNCOUPLING IN MITOCHONDRIA.** Hatefi Y *J Supramol Struct* 3: 201-13, 1975 (Eng) [29] \*DL/76AUG737  
ADENOSINE TRIPHOSPHATE (metabolism); BINDING SITES; BINDING, COMPETITIVE; CATTLE; CYANIDES (pharmacodynamics); DICYCLOHEXYLCARBODIIMIDE

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**LIPID OXIDATION IN BIOLOGICAL MEMBRANES. ELECTRON TRANSFER PROTEINS AS INITIATORS OF LIPID AUTOXIDATION.** Kaschnitz RM, Hatefi Y *Arch Biochem Biophys* 171: 292-304, Nov 75 (Eng) \*DL/76AUG897

**Hauck AM**

**THE EFFECT OF PROPRANOLOL AND PHENTOLAMINE ON SERUM GASTRIN CONCENTRATION IN RESPONSE TO RESPIRATORY ACIDOSIS IN NORMAL MAN.** Kaess H, Utz G, Teckentrup U, Hauck AM, Dörner M *Eur J Clin Invest* 5: 401-8, 12 Sep 75 (Eng) \*DL/76AUG678

**Haugard ES**

**THE ROLES OF ENERGY SOURCES AND IONS IN THE REGULATION OF CARDIAC FUNCTION.** Haugard N, Levin RM, Haugard ES *Recent Adv Stud Cardiac Struct Metab* 3: 223-32, 1973 (Eng) \*DL/76AUG792

**Haugard N**

**THE ROLES OF ENERGY SOURCES AND IONS IN THE REGULATION OF CARDIAC FUNCTION.** Haugard N, Levin RM, Haugard ES *Recent Adv Stud Cardiac Struct Metab* 3: 223-32, 1973 (Eng) \*DL/76AUG792

ANIMAL EXPERIMENTS; DIAPHRAGM (metabolism); DOSE-RESPONSE RELATIONSHIP, DRUG; ENERGY METABOLISM; EPINEPHRINE (pharmacodynamics, antagonists & inhibitors); GLUCOSE (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGEN (metabolism); LACTATES (metabolism); LITHIUM (pharmacodynamics); MAGNESIUM (pharmacodynamics); MUSCLE CONTRACTION (drug effects); MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (metabolism, enzymology); RATS; STIMULATION, CHEMICAL.

**Hausdoerfer J**

**BIOCHEMICAL AND BIOPHYSICAL CHANGES IN GUINEA PIGS AFTER ACUTE HEAD INJURY.** Hausdoerfer J, Heller W, Schinkmann L *Resuscitation* 4: 77-86, 1975 (Eng) \*DL/76AUG586

ALANINE AMINOTRANSFERASE (blood); ANIMAL EXPERIMENTS; ASPARTATE AMINOTRANSFERASE (blood); BLOOD SUGAR (analysis); BODY TEMPERATURE; BRAIN (physiopathology); CARBON DIOXIDE (blood); CHOLINESTERASES (blood); CREATINE KINASE (blood); DIPHOSPHOGLYCERIC ACIDS (blood); FEMALE; FRUCTOSEDIPHOSPHATE ALDOLASE (blood); GUINEA PIGS; HEAD INJURIES (metabolism, physiopathology, enzymology); HEART RATE; KETONE BODIES (blood); LACTATES (blood); LIPIDS (blood); MALATE DEHYDROGENASE (blood); MALE; OXYGEN (blood); PHILIPPINES; PHOSPHATES, INORGANIC (blood); PYRUVATES (blood); RESPIRATION; SHOCK, TRAUMATIC.

## Hauser CA

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**HORMONAL CONTROL OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY DURING DEVELOPMENT OF THE RAT.** Hauser CA, Bailey E *Enzyme* 21: 115-26, 1976 (Eng) DL/76AUG83

**AGING; ANIMAL EXPERIMENTS (analysis); CORTISONE (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); FEMALE; GLUCAGON (pharmacodynamics); KIDNEY (drug effects, enzymology, growth & development); LIVER (drug effects, enzymology, growth & development); MALE; ORGAN SPECIFICITY; PHOSPHOENOLPYRUVATE CARBOXYKINASES (metabolism); PREGNANCY; PUROMYCIN (pharmacodynamics); RATS; SOMATOTROPIN (pharmacodynamics); THYROXINE (pharmacodynamics); TRIAMCINOLONE (pharmacodynamics).**

### Hauser C

**MEMBRANE PERMEABILITY AS A CAUSE OF TRANSPORT DEFECTS IN EXPERIMENTAL FANCONI SYNDROME. A NEW HYPOTHESIS.** Bergeron M, Dubord L, Hauser C, Schwab C *J Clin Invest* 57: 1181-9, May 76 (Eng) DL/76AUG150

### Hayakawa T

**CHARACTERIZATION OF PROTEIN KINASES FROM BOVINE PAROTID GLANDS. THE EFFECT OF TOLBUTAMIDE AND ITS DERIVATIVE ON THESE PARTIALLY PURIFIED ENZYMES.** Kanamori T, Hayakawa T, Nagatsu T *Biochim Biophys Acta* 429: 147-62, 11 Mar 76 (Eng) DL/76AUG2

### Hayes JR

**THE EFFECT ON GASTRIN SECRETION OF AGENTS WHICH INCREASE THE INTRACELLULAR CONCENTRATION OF 3,5-ADENOSINE MONOPHOSPHATE.** Hayes JR, Williams RH *Endocrinology* 97: 1210-4, Nov 75 (Eng) \*DL/76AUG671

**ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL; ARGININE (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); GASTRIC MUCOSA (secretion, drug effects); GASTRIN (secretion); ISOPROTERENOL (pharmacodynamics); MALE; PERFUSION; PROSTAGLANDINS (pharmacodynamics); RATS; THEOPHYLLINE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**

### Hazzard WR

**RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS.** Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Einsack JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

### Heard DJ

**EFFECT OF GLUCOSE ON ENZYME RELEASE FROM, AND RECOVERY OF, THE ANOXIC MYOCARDIUM.** Heard DJ, Chain EB *Recent Adv Stud Cardiac Struct Metab* 3: 763-72, 1973 (Eng) \*DL/76AUG812

**ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL; ANOXIA (metabolism, enzymology); CREATINE KINASE (metabolism); GLUCOSE (pharmacodynamics); GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (metabolism); GLYCOGEN (metabolism); HEART (drug effects); IN VITRO; LACTATES (metabolism); MYOCARDIUM (metabolism, enzymology); PHOSPHATES (metabolism); PHOSPHOCREATINE (metabolism); PHOSPHOTRANSFERASES (metabolism); POTASSIUM (metabolism); RATS.**

## Diabetes Literature—Author Index

### Hebrang H

**EPIDERMAL THICKNESS OF THE EAR LOBE AND DIABETES.** Posinovec J, Hebrang H *Endokrinologie* 63: 381-5, 1974 (Eng) DL/76AUG81

### Hedo JA

**POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN.** Marco J, Hedo JA, Martinell J, Calle C, Villanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

### Hedstrand H

**DETECTION AND CHARACTERIZATION OF MIDDLE-AGED MEN WITH HYPERTENSION.** Hedstrand H, Aberg H *Acta Med Scand* 199: 273-80, 1976 (Eng) DL/76AUG419

**ANTHROPOMETRY; BLOOD PRESSURE DETERMINATION; GLUCOSE TOLERANCE TEST; HUMAN; HYPERTENSION (diagnosis, familial & genetic, occurrence); INSULIN (blood); LIPIDS (blood); MALE; MARRIAGE; MIDDLE AGE; SMOKING; SOCIOECONOMIC FACTORS; STRESS; URIC ACID (blood).**

### Heeley DM

**VARIATIONS IN THE COMPOSITION OF BLOOD AND URINE FOLLOWING THE INGESTION OF A HIGH-PROTEIN DIET.** Heeley DM, Sharman IM, Cooper DF *Proc Nutr Soc* 34: 69a, Sep 75 (Eng) \*DL/76AUG771

**ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (urine); BLOOD SUGAR (metabolism); CHOLESTEROL (blood); CHROMIUM (urine); DIETARY CARBOHYDRATES (administration & dosage); DIETARY PROTEINS; HUMAN; MALE; PHOSPHOLIPIDS (blood); PHOSPHORUS (blood); SPORTS; TRIIODOTHYRONINE (blood); UREA (urine); URIC ACID (urine).**

### Heggeness FW

**EFFECT OF NEONATAL DECEREBRATION ON THERMOGENESIS DURING STARVATION AND COLD EXPOSURE IN THE RAT.** Bignall KE, Heggeness FW, Palmer JE *Exp Neurol* 49: 174-88, Oct 75 (Eng) \*DL/76AUG679

### Heid H

**[METABOLIC EFFECT OF A CARBOHYDRATE COMBINATION DURING SIMULTANEOUS AMINO ACID INFUSION]** Berg G, Matzkie F, Heid H, Fekl W *Z Ernährungswiss* 14: 163-74, Sep 75 (Ger) DL/76AUG379

### Heidland A

**GUIDELINES FOR THE DOSAGE AND APPLICATION OF THE INTRAVENOUS PROVISION OF NUTRIENT SUBSTANCES IN PATIENTS WITH RENAL FAILURE.** PP. 160-6. Kult J, Heidland A *Int Abnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB* 410 143 1974. (Eng) [10] DL/76AUG156

### Heikkila RE

**ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE.** Heikkila RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) DL/76AUG470

**ALCOHOL, ETHYL (therapeutic use); ALCOHOL, METHYL (therapeutic use); ALCOHOL, PROPYL (therapeutic use); ALCOHOLS, BUTYL (therapeutic use); ALLOXAN DIABETES (metabolism, prevention & control); ALLOXAN DIABETES (pathology); ALLOXAN (pharmacodynamics); ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (metabolism); ISLANDS OF LANGERHANS (drug effects, metabolism, pathology); MALE; MICE; THIOUREA (pharmacodynamics); UREA (pharmacodynamics).**

### Heim T

**STUDIES ON PLASMA FREE-FATTY-ACID METABOLISM AND TRIGLYCERIDE SYNTHESIS OF BROWN ADIPOSE TISSUE IN VIVO DURING COLD-INDUCED THERMOGENESIS OF THE NEWBORN RABBIT.** Schenk H, Heim T, Mende T, Varga F, Goetze E *Eur J Biochem* 58: 15-22, 1 Oct 75 (Eng) \*DL/76AUG675

### Heimberg M

**INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS.** Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

### Heinke P

**[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE]** Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

### Heinrich U

**FURTHER OBSERVATIONS ON PLASMA SOMATOMEDIN ACTIVITY IN CHILDREN.** van den Brande JL, van Buijs S, Heinrich U, van Roon F, Zurcher T, van Steirtegem AC *Adv Metab Disord* 8: 171-81, 1975 (Eng) \*DL/76AUG602

### Heller G

**[THE IMPORTANCE OF THE CARBOHYDRATE PORTION IN A SYNTHETIC DIET]** Forster H, Heller G, Fortmeyer HP *Infusionstherapie* 2: 327-36, Oct 75 (Ger) \*DL/76AUG702

### Heller HC

**ELEVATED BLOOD GLUCOSE LEVELS AND SATIETY IN THE RAT.** Wilson WH, Heller HC *Physiol Behav* 15: 137-43, Aug 75 (Eng) \*DL/76AUG784

### Heller W

**BIOCHEMICAL AND BIOPHYSICAL CHANGES IN GUINEA PIGS AFTER ACUTE HEAD INJURY.** Hausdoerfer J, Heller W, Schinkmann I *Resuscitation* 4: 77-86, 1975 (Eng) \*DL/76AUG586

### Hellerstrom C

**SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE.** Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman J *J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

### Hellman B

**STIMULATION OF INSULIN RELEASE AFTER RAISING EXTRACELLULAR CALCIUM.** Hellman B *FEBS Lett* 63: 125-8, 15 Mar 76 (Eng) DL/76AUG89

**ANIMAL EXPERIMENTS (analysis); CALCIUM (pharmacodynamics); DINITROPHENOLS (pharmacodynamics); EPINEPHRINE (pharmacodynamics); FEMALE; INSULIN (metabolism); ISLANDS OF LANGERHANS (drug effects, metabolism); MICE; MICE, OBESE; XANTHINES (pharmacodynamics).**

**THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXAMINES.** Hellman B, Idahl LA, Lernmark A, Taljedal IB, Thomas FW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

**ACETYL GALACTOSAMINE (analogs & derivatives, pharmacodynamics); ACETYL GLUCOSAMINE (analogs & derivatives,**



pharmacodynamics); ANIMAL EXPERIMENTS (analysis); DOSE/RESPONSE RELATIONSHIP, DRUG; GLUCOSE (pharmacodynamics); HEXOSAMINES (pharmacodynamics); IN VITRO; INSULIN (secretion); ISLANDS OF LANGERHANS (drug effects, metabolism); MICE; MICE, OBESE.

# Helmke K

ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION. Federlin K, Slijepcevic M, Helmke K *Horm Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116

# Helve J

AUTOFLUORESCENCE OF THE HUMAN DIABETIC LENS IN VIVO. Helve J, Nieminen H *Am J Ophthalmol* 81: 493-4, Apr 76 (Eng) DL/76AUG436

ADOLESCENCE; ADULT; AGE FACTORS; CHILD; DIABETES MELLITUS; DIABETES MELLITUS, JUVENILE; DIABETIC RETINOPATHY; FLUORESCENCE; HUMAN; LENS, CRYSTALLINE.

# Hemmings SJ

ROLE OF ADENYLATE CYCLASE-CYCLIC AMP IN CARDIAC ACTIONS OF ADRENERGIC AMINES. Drummond GI, Hemmings SJ *Recent Adv Stud Cardiac Struct Metab* 3: 213-22, 1973 (Eng) \*DL/76AUG791

# Henkel W

PURIFICATION AND PROPERTIES OF UDP-GLUCOSE GALACTOSYLHYDROXYLYSINE COLLAGEN GLUCOSYLTRANSFERASE (EC 2.4.1.) FROM BOVINE ARTERIAL TISSUE. Henkel W, Buddecke E *Hoppe Seyler's Z Physiol Chem* 356: 921-8, Jun 75 (Eng) \*DL/76AUG695

ANIMAL; AORTA, THORACIC (enzymology); CATTLE; COLLAGEN; GALACTOSE; GLUCOSYLTRANSFERASES (isolation & purification, metabolism); HYDROXYLYSINE; KINETICS; PHILIPPINES; URIDINE DIPHOSPHATE, GLUCOSE.

# Henry RW

TRIGLYCERIDE METABOLISM IN ACUTE STARVATION: THE ROLE OF SECRETIN AND GLUCAGON. Stout RW, Henry RW, Buchanan KD *Eur J Clin Invest* 6: 179-85, 31 Mar 76 (Eng) DL/76AUG87

# Henry WL

ADVANCES IN DIABETES. Henry WL *J Natl Med Assoc* 68: 145-7, Mar 76 (Eng) DL/76AUG204

DIABETES MELLITUS (physiopathology, therapy); DIABETIC DIET; GLUCAGON (secretion); HUMAN.

# Heptinstall RH

CLONAL CHARACTERISTICS OF FIBROUS PLAQUES AND FATTY STREAKS FROM HUMAN AORTAS. Pearson TA, Wang BA, Solez K, Heptinstall RH *Am J Pathol* 81: 379-87, Nov 75 (Eng) \*DL/76AUG880

# Herchuelz A

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaisse WJ *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

# Herlong HF

THE EFFECT OF DIABETES, INSULIN, AND THE REDOX POTENTIAL ON LEUCINE METABOLISM BY ISOLATED RAT HEMIADIAPHRAGM. Buse MG, Herlong HF,

Weigand DA *Endocrinology* 98: 1166-75, May 76 (Eng) DL/76AUG74

# Hernandez Lopez D

[CHANGES OF SERUM LIPIDS DURING PARENTERAL FEEDING WITH A 10 PERCENT OF SOY OIL SOLUTION (AUTHORS TRANSL)] Hernandez Lopez D, Rivera Hidalgo P, Guedea MS, Rivas y Rivas RM, Gutierrez Samperio C *Prensa Med Mex* 40: 346-51, Nov-Dec 75 (Spa) DL/76AUG314

BODY WEIGHT; COMPARATIVE STUDY; EMULSIONS; ENGLISH ABSTRACT; FATS (metabolism); GLUCOSE (metabolism); HEPARIN (metabolism); HUMAN; INSULIN (metabolism); LIPIDS (blood, metabolism); PARENTERAL FEEDING; SOY BEANS.

# Hershey FB

THE SURGICAL MANAGEMENT OF PERIPHERAL VASCULAR DISEASE IN DIABETES MELLITUS. Hershey FB *Compr Ther* 1: 30-5, May 75 (Eng) DL/76AUG54

AORTA (surgery); ATHEROSCLEROSIS (surgery); DIABETIC ANGIOPATHIES (surgery); ENDARTERECTOMY; FEMORAL ARTERY (surgery); HUMAN; LEG (blood supply); POPLITEAL ARTERY (surgery); VASCULAR SURGERY (methods).

# Herzberg M

CAROTENEMIC, SKIN COLOUR AND DIABETES MELLITUS. Hoerer E, Dreyfuss F, Herzberg M *Acta Diabetol Lat* 12: 202-7, May-Aug 75 (Eng) DL/76AUG402

# Hess RA

COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA. Bonkowsky HL, Magnusson CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

# Hetenyi G

THE GLUCOSE CONTROL MECHANISM VIEWED AS A REGULATOR. Zelin S, Norwich KH, Hetenyi G *Med Biol Eng* 13: 503-8, Jul 75 (Eng) \*DL/76AUG566

# Hetenyi G Jr

RE-INCORPORATION OF CARBON ATOMS INTO PLASMA GLUCOSE IN NEWBORN DOGS. Hall SE, Hetenyi G Jr *Can J Physiol Pharmacol* 53: 967-8, Oct 75 (Eng) \*DL/76AUG476

THE DEVELOPMENT OF A GLUCOSE CLAMP. Norwich KH, Fluker G, Anthony J, Popescu I, Pagurek B, Hetenyi G Jr *Metabolism* 24: 1221-30, Nov 75 (Eng) \*DL/76AUG744

# Heuclin C

[LACTIC ACIDOSIS INDUCED BY BIGUANIDES] Assan R, Heuclin C, Girard JR, Attali JR *Nouv Presse Med* 5: 247-9, 31 Jan 76 (Fre) DL/76AUG297

[LACTIC ACIDOSIS INDUCED BY EXCESSIVE INGESTION OF METFORMIN] Bismuth C, Gaultier M, Conso F, Heuclin C, Assan R *Nouv Presse Med* 5: 261-3, 31 Jan 76 (Fre) DL/76AUG298

# Heuson JC

STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE. PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G *Int Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184*

BREAST NEOPLASMS (pathology); CARCINOMA (pathology); CARCINOMA, COLLOID (pathology); CARCINOMA, DUCTAL (pathology); CARCINOMA, PAPILLARY (pathology); CARCINOMA, SCIRRHOUS

(pathology); CELL SURVIVAL (drug effects); CLOSTRIDIOPEPTIDASE A (pharmacodynamics); DRUG INTERACTIONS; ESTRADIOL (pharmacodynamics); ESTROGENS (metabolism); FEMALE; HORMONES (pharmacodynamics); HUMAN; HYDROCORTISONE (pharmacodynamics); INSULIN (pharmacodynamics); MALE; MENOPAUSE; MONOGRAPH (mortality); ORGAN CULTURE; PROLACTIN (pharmacodynamics); RECEPTORS, HORMONE.

# Heuson-Stiennon JA

STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE. PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G *Int Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184*

# Heyden S

[SEX DIFFERENCES IN CARDIOVASCULAR MORTALITY OF DIABETICS] Heyden S *Dtsch Med Wochenschr* 101: 789-93, 14 May 76 (Ger) DL/76AUG63

CARDIOVASCULAR DISEASES (mortality); DIABETES MELLITUS (complications, drug therapy); DIABETIC ANGIOPATHIES (mortality); FEMALE; HEART DISEASES (complications); HEART FAILURE, CONGESTIVE (complications); HUMAN; HYPERCHOLESTEREMIA (complications); HYPERTENSION (complications); HYPOGLYCEMIC AGENTS (therapeutic use); INSULIN (therapeutic use); MALE; OBESITY (complications); PANCREATIC NEOPLASMS (complications); SEX FACTORS.

# Heywood R

BIOCHEMICAL STUDIES ON THE AQUEOUS HUMOUR OF RHESUS MONKEYS (MACACA MULATTA). Heywood R, Street AE *J Med Primatol* 4: 296-8, 1975 (Eng) \*DL/76AUG727

ANIMAL; AQUEOUS HUMOR (metabolism); BLOOD SUGAR (metabolism); CHLORIDES (metabolism); GLUCOSE (metabolism); MACACA (metabolism); POTASSIUM (metabolism); RHESUS MONKEYS (metabolism); SODIUM (metabolism).

# Hikawij I

IN VITRO INFLUENCE OF STEROIDAL HORMONES ON PROTEIN AND GLUCOSE METABOLISM OF ISOLATED GRANULOMATOUS TISSUE CELLS. Hikawij I, Nocenti MR *Arch Int Pharmacodyn Ther* 217: 86-96, Sep 75 (Eng) \*DL/76AUG900

ANIMAL; CHOLESTEROL (pharmacodynamics); DESOXYCORTICOSTERONE (pharmacodynamics); DIMETHYL SULFOXIDE (pharmacodynamics); GLUCOSE (metabolism); GLYCINE (metabolism); GRANULOMA (metabolism, pathology); LEUCOCYTES (metabolism); LYMPHOCYTES (metabolism); MACROPHAGES (metabolism); MALE; METHYLPREDNISOLONE (pharmacodynamics); MONOCYTES (metabolism); OXIDATION-REDUCTION; PROTEINS (metabolism, biosynthesis); RATS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

# Hildmann W

[NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD] Amendt P, Michaelis D, Gottschling D, Hildmann W *Endocrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80

# Hildner FJ

## Hildner FJ

**INOTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM.** Hildner FJ, Yeh BK, Javier RP, Fester A, Samet P *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31  
**BLOOD PRESSURE; BLOOD SUGAR; CARDIAC OUTPUT; ELECTROCARDIOGRAPHY; FEMALE; HEART CATHETERIZATION; HEART VALVE DISEASES (diagnosis); HEART VENTRICLE (drug effects); HEMODYNAMICS; HUMAN; INSULIN (blood); MALE; MIDDLE AGE; MYOCARDIAL CONTRACTION (drug effects); POTASSIUM (blood); STIMULATION, CHEMICAL; TOLBUTAMIDE (blood, pharmacodynamics).**

## Hill R

**INSULIN BINDING AND GLUCOSE TRANSPORT IN THE R3230AC MAMMARY ADENOCARCINOMA.** Harmon JT, Hill R *J Supramol Struct* 4: 233-40, 1976 (Eng) DL/76AUG22

## Hill P

**DIETARY REGULATION OF SERUM LIPIDS IN HEALTHY, YOUNG ADULTS.** Hill P, Wynder EL *J Am Diet Assoc* 68: 25-30, Jan 76 (Eng) \*DL/76AUG545  
**ADULT; CHOLESTEROL (blood); CHOLESTEROL, DIETARY; DIETARY FATS; ENERGY METABOLISM; FATS; UNSATURATED (pharmacodynamics); FATTY ACIDS (metabolism); FEMALE; HUMAN; MALE; PHOSPHOLIPIDS (blood); SEX FACTORS; TRIGLYCERIDES (blood).**

## Hirata F

**APPLICATION OF LIPOPROTEIN LIPASE FOR THE ASSAY OF SERUM TRIGLYCERIDE.** Shigihara M, Isobe M, Hirata F, Inagawa T *Chem Pharm Bull (Tokyo)* 23: 1417-20, Jul 75 (Eng) \*DL/76AUG654

## Hirota Y

**EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN.** Ueda K, Omae T, Hirota Y, Takeshita M, Hiroyoshi Y *J Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

## Hiroyoshi Y

**EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN.** Ueda K, Omae T, Hirota Y, Takeshita M, Hiroyoshi Y *J Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

## Hlusko MT

**EFFECTS OF DIET AND COLD ACCLIMATION ON LIPID COMPOSITION OF RAT INTERSCAPULAR BROWN ADIPOSE TISSUE.** Senault C, Hlusko MT, Portet R *Ann Nutr Aliment* 29: 67-77, 1975 (Eng) \*DL/76AUG891

## Hodes BL

**EYE DISORDERS: USING ULTRASOUND IN OPHTHALMOLOGIC DIAGNOSIS.** Hodes BL *Postgrad Med* 59: 197-203, Apr 76 (Eng) DL/76AUG309  
**AGED; CHOROID NEOPLASMS (diagnosis); CHOROID; DIABETIC RETINOPATHY (diagnosis); EYE DISEASES (diagnosis); EYE FOREIGN BODIES (diagnosis); EYE NEOPLASMS (diagnosis); FEMALE; GOITER, EXOPHTHALMIC (diagnosis); HUMAN; MACULAR DEGENERATION (diagnosis); MALE; MELANOMA (diagnosis); RETINAL DETACHMENT (diagnosis); RETINAL HEMORRHAGE (diagnosis); TOMOGRAPHY, RADIOGRAPHIC; ULTRASONICS (diagnostic use); VITREOUS BODY.**

## Hoebel BG

**FEEDING: NEURAL CONTROL OF INTAKE.** Hoebel BG *Annu Rev Physiol* 33: 533-68, 1971 (Eng) [221] \*DL/76AUG894  
**AMYGDALOID BODY (physiology); ANIMAL; APHAGIA (physiopathology); APPETITE DISORDERS (physiopathology); APPETITE REGULATION; APPETITIVE BEHAVIOR; BLOOD SUGAR; BODY TEMPERATURE REGULATION; BODY WEIGHT; BRAIN (physiology); DRINKING BEHAVIOR; FEEDING BEHAVIOR (physiology); FRONTAL LOBE (physiology); GLUCOSE (metabolism); HIPPOCAMPUS (physiology); HUMAN; HYPOTHALAMUS (physiology); MOTOR ACTIVITY; NEURONS (physiology); RECEPTORS, ADRENERGIC; RECEPTORS, DRUG; REINFORCEMENT (PSYCHOLOGY); REVIEW; REWARD; SATIETY RESPONSE; SELF STIMULATION; SYMPATHETIC NERVOUS SYSTEM (physiology); TASTE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.**

## Hoerer E

**CAROTENEMIC, SKIN COLOUR AND DIABETES MELLITUS.** Hoerer E, Dreyfuss F, Herzberg M *Acta Diabetol Lat* 12: 202-7, May-Aug 75 (Eng) DL/76AUG402  
**AGED; CAROTENOID (blood); CHOLESTEROL (blood); DIABETES MELLITUS (complications, diagnosis); DIETARY FATS (adverse effects); FEMALE; HUMAN; LIPIDS (blood); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (complications); PIGMENTATION DISORDERS (etiology); SKIN MANIFESTATIONS; SKIN PIGMENTATION.**

## Hoffmeister G

**[STUDIES ON THE EFFECT OF RADIATION ON ELECTROLYTE CHANGES AND METABOLISM OF THE MYOCARDIUM. V. CHANGES IN ENZYME ACTIVITIES AND GLYCOLYSIS METABOLITES DUE TO RADIATION]** Prignitz R, Hoffmeister N, Hoffmeister G *Strahlentherapie* 149: 621-7, Jun 75 (Ger) \*DL/76AUG854

## Hoffmeister N

**[STUDIES ON THE EFFECT OF RADIATION ON ELECTROLYTE CHANGES AND METABOLISM OF THE MYOCARDIUM. V. CHANGES IN ENZYME ACTIVITIES AND GLYCOLYSIS METABOLITES DUE TO RADIATION]** Prignitz R, Hoffmeister N, Hoffmeister G *Strahlentherapie* 149: 621-7, Jun 75 (Ger) \*DL/76AUG854

## Hofman AF

**PROSPECTIVE COMPARISON OF INDIRECT METHODS FOR DETECTING LACTASE DEFICIENCY.** Newcomer AD, McGill DB, Thomas PJ, Hofman AF *N Engl J Med* 293: 1232-6, 11 Dec 75 (Eng) \*DL/76AUG752

## Hohmann B

**GLUCONEOGENESIS IN ISOLATED NEPHRON SEGMENTS OF THE RABBIT.** Hohmann B, Scharer K *Curr Probl Clin Biochem* 4: 47-50, 1975 (Eng) \*DL/76AUG491  
**ANIMAL EXPERIMENTS; GLUCONEOGENESIS; GLUCOSE (biosynthesis); KIDNEY TUBULES, PROXIMAL (metabolism); LACTATES (metabolism); MALE; PYRUVATES (metabolism); RABBITS; STARVATION.**

## Hohne KH

**[THE DECENTRALIZED COMPUTER SYSTEM IN THE HAMBURG-EPPENDORF UNIVERSITY HOSPITAL (AUTHORS TRANSL.)]** Hohne KH *Munch Med Wochenschr* 117: 1769-74, 31 Oct 75 (Ger) \*DL/76AUG750

**BLOOD SUGAR (analysis); BRAIN DEATH; BRAIN NEOPLASMS (diagnosis); COMPUTERS; DATA DISPLAY; DIAGNOSIS, COMPUTER ASSISTED; ENGLISH ABSTRACT; GERMANY, WEST; HOSPITAL COMMUNICATION SYSTEMS; HUMAN; INFORMATION RETRIEVAL SYSTEMS; MEDICAL RECORDS; NUCLEAR MEDICINE; RADIOISOTOPE SCANNING; SYSTEMS ANALYSIS.**

## Hokfelt T

**[SOMATOSTATIN AND SOMATOMEDINS—NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY]** Efendic S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227

## Hokin LE

**PURIFICATION AND MOLECULAR PROPERTIES OF THE (SODIUM & POTASSIUM)-ADENOSINETRIPHOSPHATASE AND RECONSTITUTION OF COUPLED SODIUM AND POTASSIUM TRANSPORT IN PHOSPHOLIPID VESICLES CONTAINING PURIFIED ENZYME.** Hokin LE *J Exp Zool* 194: 197-205, Oct 75 (Eng) [56] \*DL/76AUG547  
**ADENOSINE TRIPHOSPHATASE (isolation & purification, metabolism, analysis); ADENOSINE TRIPHOSPHATE (metabolism); AMINO ACIDS (analysis); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; CROFISH; EELS; ELECTRIC ORGAN (enzymology); GLYCOPROTEINS (analysis); MAGNESIUM (metabolism); MOLECULAR WEIGHT; OUABAIN (pharmacodynamics); PHOSPHOLIPIDS (metabolism); POTASSIUM (metabolism); RECTUM (enzymology); REVIEW; SODIUM (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.**

## Hollander VP

**DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS.** Roldan A, Stevens J, Hollander VP *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321

## Holle F

**[RECURRENT ULCER FOLLOWING VAGOTOMY: COMPLETION OF VAGOTOMY OR RESECTION (AUTHORS TRANSL.)]** Bauer H, Holle F *Munch Med Wochenschr* 118: 453-6, 9 Apr 76 (Ger) DL/76AUG260

## Holm H

**[A MICROMETHOD FOR THE DETERMINATION OF GLUCOSE IN 20 MICROLITER SAMPLES WITH THE AUTOANALYZER (AUTHORS TRANSL.)]** Holm H, Pianezzi A, Scholer A *Z Klin Chem Klin Biochem* 13: 541-3, Dec 75 (Ger) \*DL/76AUG594  
**AUTOANALYSIS (methods); BLOOD SUGAR (analysis); COMPARATIVE STUDY; ENGLISH ABSTRACT; GLUCOSE (analysis); GLUCOSEPHOSPHATE DEHYDROGENASE; HEXOKINASE; MICROCHEMISTRY (methods).**

## Holman GD

**D-GALACTOSE ACCUMULATION IN RABBIT GALEM. EFFECTS OF THEOPHYLLINE ON SEROSAL PERMEABILITY.** Holman GD, Naf-talin RJ *Biochim Biophys Acta* 406: 386-401, 17 Oct 75 (Eng) \*DL/76AUG630  
**ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; DIBUTYRYL CYCLIC AMP (pharmacodynamics); GALEM (metabolism); GASTRIC MUCOSA (metabolism, drug effects); ILEUM (metabolism, drug effects); KINETICS; MATHEMATICS; PERMEABILITY; POTASSIUM (metabolism); RABBITS; SODIUM (pharmacodynamics, metabolism); THEOPHYLLINE (pharmacodynamics).**

## Holroyde CP

**ALTERED GLUCOSE METABOLISM IN METASTATIC CARCINOMA.** Holroyde CP, Gabuzda TG, Putnam RC, Paul P, Reichard GA. *Cancer Res* 35: 3710-4, Dec 75 (Eng) \*DL/76AUG477  
**BLOOD SUGAR; BODY WEIGHT; CARBON DIOXIDE (metabolism); GLUCONEOGENESIS; GLUCOSE (metabolism); HUMAN; LACTATES (blood); NEOPLASM METASTASIS (metabolism); NEOPLASMS (metabolism); OXIDATION-REDUCTION; OXYGEN CONSUMPTION; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**

## Holst JJ

**INHIBITION OF GASTRIC ACID SECRETION IN MAN BY EXOGENOUS AND ENDOGENOUS PANCREATIC GLUCAGON.** Christiansen J, Holst JJ, Kalaja E. *Gastroenterology* 70: 688-92, May 76 (Eng) DL/76AUG101

## Holt JF

**FAT THICKNESS IN THE NEONATAL SMALL LEFT COLON SYNDROME.** Kuhns LR, Berger PE, Poznanski AK, Holt JF. *Am J Roentgenol* 126: 538-41, Mar 76 (Eng) DL/76AUG441

## Hommes FA

**ENERGETIC ASPECTS OF LATE FETAL AND NEONATAL METABOLISM.** PP. 1-9. Hommes FA. In: *Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism.* London, Academic Press, 1975. WD 205 N842 1974. (Eng) [38] DL/76AUG167  
**ANIMAL EXPERIMENTS (analysis); ENERGY METABOLISM; FATTY ACIDS (analysis); FETUS (metabolism); GLUCOSE (pharmacodynamics); GLYCOSGEN PHOSPHORYLASE (metabolism); GLYCOLYSIS; INSULIN (pharmacodynamics); LIVER GLYCOSGEN (metabolism); LIVER (enzymology, metabolism); MEMBRANES (metabolism); MITOCHONDRIA, LIVER (enzymology, metabolism); MONOGRAPH (mortality); PHOSPHATES, INORGANIC (metabolism); PYRUVATE DEHYDROGENASE COMPLEX (metabolism); RATS; REVIEW.**

## Honjo I

**CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD.** Kimura K, Kamiyama Y, Ozawa K, Honjo I. *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100

## Honma K

**[EFFECT OF ACUTE COLD EXPOSURE ON BLOOD COMPOSITION IN RATS TREATED WITH 6-HYDROXYDOPAMINE (AUTHORS TRANSL)]** Honma K, Fukushima N, Mackubo H, Itoh S. *Hokkaido J Med Sci* 50: 299-303, May 75 (Jpn) \*DL/76AUG517

**ADRENAL MEDULLA (drug effects); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); COLD; ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); HYDROXYBUTYRATES (metabolism); HYDROXYDOPAMINE (pharmacodynamics, administration & dosage); LACTATES (blood); MALE; PHYSICAL STIMULATION; RATS.**

## Hopp C

**THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE.** Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I. *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202

**THE CONTROL OF CARDIOVASCULAR RISK FACTORS IN THE ELDERLY.** Abramson JH, Hopp C. *Prev Med* 5: 32-47, Mar 76 (Eng) [96] DL/76AUG315

## Horackova M

**JUVENILE DIABETES AND HUMAN SPERM QUALITY.** Bartak V, Josifko M, Horackova M. *Int J Fertil* 20: 30-2, 1975 (Eng) DL/76AUG123

## Hors J

**[LETTER: HL-A GROUPS IN JUVENILE DIABETES]** Cathelineau G, Cathelineau L, Hors J, Schmid M, Dausset J. *Nouv Presse Med* 5: 586, 28 Feb 76 (Fre) DL/76AUG299

## Horton ML

**THE EFFECTS OF THREE VAPORIZABLE FIRE EXTINGUISHING AGENTS ON MYOCARDIAL METABOLISM AND CARDIOVASCULAR DYNAMICS IN THE ANESTHETIZED DOG.** Van Stee EW, Harris AM, Horton ML, Back KC. *Toxicol Appl Pharmacol* 34: 62-71, Oct 75 (Eng) \*DL/76AUG588

## Horvath E

**TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOPHYOPHYSAL CELLS.** PP. 287-98. Horvath E, Kovacs K, Stratmann IE, Ezrin C. *Inf Hess M, ed. Electron microscopic concepts of secretion.* New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG165

**ADENOMA, CHROMOPHOB (pathology); ADENOMA, EOSINOPHILIC (pathology); AMENORRHEA (pathology); CYTOPLASM (ultrastructure); DIABETIC RETINOPATHY (pathology); FEMALE; GLUCOCORTICIDS (pharmacodynamics); HUMAN; MICROTUBULES (ultrastructure); MONOGRAPH (mortality); PITUITARY GLAND (drug effects, ultrastructure); PITUITARY NEOPLASMS (pathology).**

## Horvath SM

**ACUTE BLOOD BIOCHEMICAL ALTERATIONS IN RESPONSE TO MARATHON RUNNING.** Maron MB, Horvath SM, Wilkerson JE. *Eur J Appl Physiol* 34: 173-81, 15 Aug 75 (Eng) \*DL/76AUG672

## Hosking DJ

**BAROREFLEX SENSITIVITY AND RESPONSES TO THE VALSALVA MANOEUVRE IN SUBJECTS WITH DIABETES MELLITUS.** Bennett T, Hosking DJ, Hampton JR. *J Neurol Neurosurg Psychiatry* 39: 178-83, Feb 76 (Eng) DL/76AUG194

## Haupt KA

**GLUCOPRIVIC (2DG) EATING IN RATS DESPITE KNIFE CUT INDUCED HYPERPHAGIA.** Haupt KA, Gold RM. *Pharmacol Biochem Behav* 3: 583-8, Jul-Aug 75 (Eng) \*DL/76AUG781

**ANIMAL; BLOOD SUGAR (metabolism); DEOXY SUGARS (pharmacodynamics); DEOXYGLUCOSE (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; FEEDING BEHAVIOR (physiology, drug effects); FEMALE; HYPOTHALAMUS (physiology); RATS; SODIUM CHLORIDE (administration & dosage); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.**

## Howald H

**ASCORBIC ACID AND ATHLETIC PERFORMANCE.** Howald H, Segesser B, Korner WF. *Ann NY Acad Sci* 258: 458-64, 30 Sep 75 (Eng) \*DL/76AUG613

**ADULT; ASCORBIC ACID (pharmacodynamics, administration & dosage); BLOOD SUGAR (metabolism); BODY HEIGHT; BODY SURFACE AREA; BODY WEIGHT; EXERTION (drug effects); FATTY ACIDS, NONESTERIFIED (metabolism); HEART RATE (drug effects); HUMAN; MUSCLES (metabolism); NUTRITIONAL REQUIREMENTS; OXYGEN**

**CONSUMPTION; PLACEBOES; SPORT MEDICINE; VANILMANDELIC ACID (urine).**

## Howard PL

**HEMODYNAMIC AND METABOLIC ALTERATIONS IN PERIPHERAL TISSUE DURING HEMORRHAGIC SHOCK.** Shearburn EW 3d, Craig WD, Maitland CL, Howard PL, McCoy S, Drucker WR. *Am Surg* 41: 696-703, Nov 75 (Eng) \*DL/76AUG890

## Hoyumpa AM Jr

**THIAMINE TRANSPORT ACROSS THE RAT INTESTINE. II. EFFECT OF ETHANOL.** Hoyumpa AM Jr, Breen KJ, Schenker S, Wilson FA. *J Lab Clin Med* 86: 803-16, Nov 75 (Eng) \*DL/76AUG721

**ALCOHOL, ETHYL (pharmacodynamics, blood, analysis); ANIMAL; DUODENUM (metabolism, analysis); FEMALE; GLUCOSE (metabolism, administration & dosage); INTESTINAL ABSORPTION (drug effects); INTESTINES (pathology); JEJUNUM (metabolism); OSMOLAR CONCENTRATION; OUABAIN (pharmacodynamics); RATS; SODIUM CHLORIDE (metabolism, administration & dosage); THIAMINE (metabolism, analysis); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.**

## Hsie AW

**PROSTAGLANDIN E1 INDUCED CHANGES IN CYCLIC AMP LEVELS IN WI-38 HUMAN FIBROBLASTS. TWO DIFFERENT EFFECTS OF CELL DENSITY.** O'Neill JP, Hsie AW. *Biochim Biophys Acta* 404: 243-8, 9 Oct 75 (Eng) \*DL/76AUG628

## Huamonte FU

**IMMEDIATE FUNDUS COMPLICATIONS AFTER RETINAL SCATTER PHOTOCOAGULATION. I. CLINICAL PICTURE AND PATHOGENESIS.** Huamonte FU, Peyman GA, Goldberg MF, Lockett A. *Ophthalmic Surg* 7: 88-99, Spring 76 (Eng) DL/76AUG280

**ADULT; AGED; ARGON; CASE REPORT; DIABETIC RETINOPATHY (surgery); FEMALE; FUNDUS OCULI; HUMAN; LASER COAGULATION (methods); MALE; MIDDLE AGE; POSTOPERATIVE COMPLICATIONS; RETINA (surgery); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; XENON.**

## Huang SS

**INTOLERANCE OF EIGHT OUNCES OF MILK IN HEALTHY LACTOSE-INTOL. RANT TEEN-AGERS.** Mitchell KJ, Bayless TM, Paige DM, Goodgame RW, Huang SS. *Pediatrics* 56: 718-21, Nov 75 (Eng) \*DL/76AUG581

## Huang TF

**LONGITUDINAL STUDIES ON ADIPOSE TISSUE AND ITS DISTRIBUTION IN HUMAN SUBJECTS.** Chien S, Peng MT, Chen KP, Huang TF, Chang C, Fang HS. *J Appl Physiol* 39: 825-30, Nov 75 (Eng) \*DL/76AUG708

## Hucho F

**THE PYRUVATE DEHYDROGENASE MULTIZYME COMPLEX.** Hucho F. *Angew Chem [Engl]* 14: 591-601, Sep 75 (Eng) [135] \*DL/76AUG887

**CATALYSIS; CHROMOSOMES, BACTERIAL; ENERGY METABOLISM (drug effects); ESCHERICHIA COLI (enzymology); FEEDBACK; GLUCONEOGENESIS (drug effects); MICROSCOPY, ELECTRON; MOLECULAR WEIGHT; PYRUVATE DEHYDROGENASE COMPLEX (metabolism); PYRUVATES (metabolism); REVIEW.**

## Hudson DG

**TRANSFER OF FATTY ACIDS ACROSS THE RABBIT PLACENTA.** Elphick MC, Hudson DG,

## Diabetes Literature—Author Index

### Huen AH

Hull D *J Physiol (Lond)* 252: 29-42, Oct 75 (Eng) \*DL/76AUG553

### Huen AH

EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT. Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240

### Huff GF

EVALUATION OF PEROXYOXALATE CHEMILUMINESCENCE FOR DETERMINATION OF ENZYME GENERATED PEROXIDE. Williams DC 3d, Huff GF, Seitz WR *Anal Chem* 48: 1003-6, Jun 76 (Eng) DL/76AUG447

### Hughes ER

GLUCOCORTICOID THERAPY IN CHILDREN. EFFECT ON SOMATOMEDIN SECRETION. Elders MJ, Wingfield BS, McNatt ML, Clarke JS, Hughes ER *Am J Dis Child* 129: 1393-6, Dec 75 (Eng) \*DL/76AUG606

### Hughes FC

[MACROLID ANTIBIOTICS AND ADRENALIN-INDUCED HYPERGLYCEMIA] Hughes FC, Julien D *Therapie* 30: 455-7, May-Jun 75 (Fre) DL/76AUG352

ADULT; ANTIBIOTICS (pharmacodynamics); EPINEPHRINE (adverse effects); HUMAN; HYPERGLYCEMIA (chemically induced); MALE; TRIACETYLOLEANDOMYCIN (pharmacodynamics).

### Hui YS

GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA. Mulvehill JB, Hui YS, Barnes LD, Palumbo PJ, Dousa TP *J Clin Endocrinol Metab* 42: 380-4, Feb 76 (Eng) DL/76AUG143

### Hull D

TRANSFER OF FATTY ACIDS ACROSS THE RABBIT PLACENTA. Elphick MC, Hudson DG, Hull D *J Physiol (Lond)* 252: 29-42, Oct 75 (Eng) \*DL/76AUG553

STORAGE AND SUPPLY OF FATTY ACIDS BEFORE AND AFTER BIRTH. Hull D *Br Med Bull* 31: 32-6, Jun 75 (Eng) \*DL/76AUG644

ANIMAL; ANIMALS, NEWBORN (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); FEMALE; FETUS (metabolism); GUINEA PIGS; HUMAN; INFANT, NEWBORN; LIPIDS (synthesis, metabolism); MATERNAL-FETAL EXCHANGE; MONKEYS; PLACENTA (metabolism); PREGNANCY; RABBITS; SHEEP.

### Hull FE

CARDIAC METABOLISM OF BETA-HYDROXY FATTY ACIDS. Hull FE, Malone M, Albers-Schonberg G *Recent Adv Stud Cardiac Struct Metab* 3: 39-52, 1973 (Eng) \*DL/76AUG800

ACETATES (metabolism); ANIMAL; FATTY ACIDS (biosynthesis); FATTY ACIDS, NONESTERIFIED (biosynthesis); HYDROXY ACIDS (biosynthesis); MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIUM (metabolism, ultrastructure); RABBITS.

### Hunt CE

ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PBB/LD MOUSE. Hunt CE, Lindsey JR, Walkley SU *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93

ADIPOSE TISSUE (pathology); AGE FACTORS; ALLELES; ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (metabolism); CHOLESTEROL (blood); DIABETES MELLITUS (blood, familial & genetic, pathology); DISEASE MODELS, ANIMAL; INSULIN (blood); ISLANDS OF LANGERHANS (pathology); MICE; MICE, OBESE (physiology); OBESITY (blood, familial & genetic, pathology); RODENTS; TRIGLYCERIDES (blood).

### Iacono G

[FUNCTIONAL DIENCEPHALO-PITUITARY DIAGNOSIS BY MEANS OF RADIOIMMUNOASSAY] Iacono G *Quad Sclavo Diagn* 11: 218-38, Jun 75 (Ita) DL/76AUG327

ADOLESCENCE; ADULT; CORTICOTROPIN (secretion); DIABETES MELLITUS, JUVENILE (diagnosis); DIENCEPHALON (physiology); ENGLISH ABSTRACT; FSH (secretion); GROWTH DISORDERS (diagnosis); HUMAN; HYPOTHALAMO-HYPOPHYSAL SYSTEM (physiology); LH (secretion); PITUITARY DISEASES (diagnosis); RADIOIMMUNOASSAY; SOMATOTROPIN (secretion).

### Iacono JM

DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Hemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

ADENOSINE DIPHOSPHATE (metabolism); ADULT; BLOOD CELL COUNT; BLOOD COAGULATION TESTS; BLOOD PLATELETS; BLOOD SUGAR (analysis); BLOOD UREA NITROGEN; BODY WEIGHT; CHOLESTEROL (blood); COLLAGEN (physiology); DIETARY FATS (metabolism); EPINEPHRINE (metabolism); ERYTHROCYTE COUNT; FEMALE; HEMATOCRIT; HEMOGLOBINS (analysis); HUMAN; LEUKOCYTE COUNT; MALE; MIDDLE AGE; PLATELET AGGREGATION; THROMBIN (physiology); TRIGLYCERIDES (blood).

### Ianshyna MN

[LEVEL OF SOMATOTROPIC HORMONES IN THE NEWBORN, THE PARTURIENT AND THE AMNIOTIC FLUID] Balabolkin MI, Ianshyna MN *Pediatr Akush Ginekol* 37-9, Nov-Dec 75 (Ukr) \*DL/76AUG580

### Iatsenko IV

[PARTICIPATION OF THE SMALL INTESTINE IN CARBOHYDRATE METABOLISM] Berkman RA, Iatsenko IV *Fiziol Zh SSSR* 61: 1697-1703, Nov 75 (Rus) \*DL/76AUG500

### Ibrishimov NI

NUTRITION EFFECT ON LIVER AND LYSOSOMES. VIII. THE UNDERNOURISHMENT ROLE IN A FOLLOWING SHORT-TERM STARVATION. Krustev LP, Ibrishimov NI, Popov AA *Acta Histochem (Jena)* 53: 42-57, 1975 (Eng) \*DL/76AUG872

### Idahl LA

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl LA, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

### Isalo E

GROWTH HORMONE AND CORTISOL SECRETION AFTER ORAL AND INTRAVENOUS ADMINISTRATION OF METHYLDOPA. Syvalahti E, Seppala PO, Isalo E *Acta Pharmacol Toxicol (Kbh)* 37: 257-64, Sep 75 (Eng) \*DL/76AUG874

### Ikedo M

XYLITOL: STIMULATION OF INSULIN AND INHIBITION OF GLUCAGON RESPONSES TO ARGININE IN MAN. Seino Y, Taminato T, Inoue Y, Goto Y, Ikeda M *J Clin Endocrinol Metab* 42: 736-43, Apr 76 (Eng) DL/76AUG146

### Ikedo S

THE EFFECT OF CARBON MONOXIDE ON LIPID METABOLISM OF HUMAN CORONARY ARTERIES. Sarma JS, Tillmanns H, Ikeda S,

Bing RJ *Atherosclerosis* 22: 193-8, Sep-Oct 75 (Eng) \*DL/76AUG922

### Ilkov A

[CARBOHYDRATE TOLERANCE, SERUM INSULIN AND TRIGLYCERIDES IN CORONARY DISEASE] Dobrev DG, Ilkov A *Vutr Boles* 14: 11-22, 1975 (Bul) DL/76AUG371

### Imagawa W

ISLET TRANSPLANTATION INTO RAT LIVER: IN VITRO SECRETION OF INSULIN FROM THE ISOLATED PERFUSED LIVER AND IN VIVO GLUCAGON SUPPRESSION. Charles MA, Imagawa W, Forsham PH, Grodsky GM *Endocrinology* 98: 738-42, Mar 76 (Eng) DL/76AUG70

### Inagawa T

APPLICATION OF LIPOPROTEIN LIPASE FOR THE ASSAY OF SERUM TRIGLYCERIDE. Sugiyama M, Isobe M, Hirata F, Inagawa T *Chem Pharm Bull (Tokyo)* 23: 1417-20, Jul 75 (Eng) \*DL/76AUG654

### Ingebretsen WR

STUDIES ON GLUCONEOGENESIS AND STIMULATION OF GLYCOGEN AND PROTEIN SYNTHESIS IN ISOLATED HEPATOCYTES IN ALLOXAN DIABETIC, NORMAL FED AND FASTED ANIMALS. Wagle SR, Ingebretsen WR, Sampson I *Acta Diabetol Lat* 12: 185-98, May-Aug 75 (Eng) DL/76AUG400

### Inoue Y

XYLITOL: STIMULATION OF INSULIN AND INHIBITION OF GLUCAGON RESPONSES TO ARGININE IN MAN. Seino Y, Taminato T, Inoue Y, Goto Y, Ikeda M *J Clin Endocrinol Metab* 42: 736-43, Apr 76 (Eng) DL/76AUG146

### Iorgulescu M

[EARLY ADAPTATION OF PREMATURE INFANTS (HEMATOLOGICAL AND BIOCHEMICAL ASPECTS)] Russu O, Bulat E, Iorgulescu M, Deciu L, Baltac C, Kloss D *Rev Pediatr Obstet Gynecol [Pediatri]* 24: 37-47, Jan-Mar 75 (Rum) \*DL/76AUG840

### Ishay J

THE PRESENCE OF INSULIN IN AND SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS. Ishay J, Gitter S, Galun R, Doron M, Laron Z *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58

ANIMAL EXPERIMENTS (analysis); GLUCOSE (metabolism); HEMOLYMPH (metabolism); HYMENOPTERA (metabolism); INSULIN (metabolism, pharmacodynamics); TIME FACTORS; WASPS (metabolism).

### Ishizaka S

[BEDSIDE NURSING. HEALTH INSTRUCTION FOR DIABETIC PATIENTS] Ishizaka S *Jpn J Nurs* 40: 278-81, Mar 76 (Jpn) DL/76AUG212

DIABETES MELLITUS; HEALTH EDUCATION; HUMAN; PATIENTS (education).

### Isobe M

APPLICATION OF LIPOPROTEIN LIPASE FOR THE ASSAY OF SERUM TRIGLYCERIDE. Sugiyama M, Isobe M, Hirata F, Inagawa T *Chem Pharm Bull (Tokyo)* 23: 1417-20, Jul 75 (Eng) \*DL/76AUG654

### Itoh S

[EFFECT OF ACUTE COLD EXPOSURE ON BLOOD COMPOSITION IN RATS TREATED WITH 6-HYDROXYDOPAMINE (AUTHORS TRANSL)] Honma K, Fukushima N, Maekubo H, Itoh S *Hokkaido J Med Sci* 50: 299-303, May 75 (Jpn) \*DL/76AUG517



## Ivankovic E

[CUTANEOUS CHANGES IN DIABETES MELLITUS WITH SPECIAL REFERENCE TO BULLOUS IDIOPATHICA] Cubela V, Lusicky B, Ivankovic E *Dermatol Monatsschr* 161: 217-9, Mar 75 (Ger) DL/76AUG95

## Ivanov AI

[RADIOCHEMICAL CHANGES IN POLYMERS USED FOR PACKAGING DRUGS] PP. 159-69. Ivanov AI, Ponomarenko SI, Kovalchuk VM, Semenchenko EI, Myshkovskii VI, I USON-Stienon JA, Leclercq G *In Radiosterilization of medical products 1974*. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Rus) DL/76AUG185

ACIDS (chemical synthesis); CHROMATOGRAPHY, GAS; DRUG CONTAINERS AND CLOSURES; ENGLISH ABSTRACT; GAMMA RAYS; INSULIN; KETONES (chemical synthesis); KINETICS; MONOGRAPH (mortality); POLYMERS (radiation effects); POLYMETHACRYLIC ACIDS (radiation effects); POLYVINYL CHLORIDE (radiation effects); RADIATION EFFECTS; RADIOCHEMISTRY; RUBBER; SOLUTIONS; SPECTROPHOTOMETRY, INFRARED; STERILIZATION; STYRENES (radiation effects); TIME FACTORS.

## Iwatsuka H

METABOLIC STUDIES ON THE DEVELOPMENT OF ETHANOL-INDUCED FATTY LIVER IN KK-A<sup>y</sup> MICE. Arakawa M, Taketomi S, Furuno K, Matsuo T, Iwatsuka H *J Nutr* 105: 1500-8, Dec 75 (Eng) \*DL/76AUG549

## Jablonska-Ulbrzych A

[ABSOLUTE VALUE OF EOSINOPHILS IN A CUBE MILLIMETER OF PERIPHERAL BLOOD FOLLOWING GLUCAGON LOADING] Jablonska-Ulbrzych A, Ordynski J *Pediatr Pol* 51: 391-6, Apr 76 (Pol) DL/76AUG290

CHILD; DEPRESSION, CHEMICAL; ENGLISH ABSTRACT; EOSINOPHILIA (diagnosis); EOSINOPHILS; GLUCAGON (diagnostic use); HUMAN; LEUKOCYTE COUNT.

## Jackson WP

CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES. Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

## Jacquot R

[IMMUNO-REACTIVE INSULIN-LIKE SUBSTANCES IN THE RAT] Felix JM, Sutter-Dub MT, Legrele C, Billaudel B, Sutter BC, Jacquot R *Pathol Biol (Paris)* 23: 841-8, Dec 75 (Fre) DL/76AUG283

## Jaeger A

[HYPERSMOLAR COMA] Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 395-404, 26 Mar 76 (Ger) DL/76AUG258

## Jaeger JJ

HEMATOLOGICAL AND BIOCHEMICAL EFFECTS OF CHRONIC CO EXPOSURE ON THE JAPANESE QUAIL. Jaeger JJ, McGrath JJ *Respir Physiol* 24: 365-72, Sep 75 (Eng) \*DL/76AUG839

ANIMAL; BLOOD SUGAR; BLOOD VOLUME (drug effects); BODY WEIGHT (drug effects); CARBOHYDRATES (analysis); CARBON MONOXIDE (pharmacodynamics); CARBOXYHEMOGLOBIN; FEMALE; HEMATOCRIT; HEMOGLOBINS; MALE; MYOCARDIUM (analysis); ORGAN WEIGHT (drug effects); QUAIL (physiology).

## Jaffiol C

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

## Jain S

POTASSIUM STATUS OF PATIENTS WITH CIRRHOSIS. Soler NG, Jain S, James H, Paton A *Gut* 17: 152-7, Feb 76 (Eng) DL/76AUG106

## James H

POTASSIUM STATUS OF PATIENTS WITH CIRRHOSIS. Soler NG, Jain S, James H, Paton A *Gut* 17: 152-7, Feb 76 (Eng) DL/76AUG106

## Jamieson GA

PROCEEDINGS: MECHANISM OF COLLAGEN: GLUCOSYLTRANSFERASE AND ITS RELATION TO PLATELET: COLLAGEN ADHESION. Smith DF, Kosow DP, Jamieson GA *Thromb Diath Haemorrh* 34: 334, 30 Sep 75 (Eng) \*DL/76AUG850

## Janjic M

[INFLUENCE OF CHLORPROPAMIDE ON THE EXCRETION OF ELECTROLYTES IN DIABETES INSIPIDUS] Pecic-Popovic E, Janjic M, Kicic M *Glas Srp Akad Nauka [Med]* 77-84, 1975 (Ser) DL/76AUG104

## Jankus EF

BLOOD GLUCOSE AND TISSUE GLYCOGEN LEVELS IN TURKEY POLTS WITH SPONTANEOUS ROUND HEART DISEASE AND FLURAZOLIDONE-INDUCED CARDIOMYOPATHY. Czarniecki CM, Reneau JK, Jankus EF *Avian Dis* 19: 773-80, Oct-Dec 75 (Eng) \*DL/76AUG619

## Janni A

[BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBESE SUBJECTS] Lanzara P, Marozzi P, Carmina E, Janni A *Pediatr (Napoli)* 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291

## Jansen AP

AN IMPROVED SEMI-AUTOMATED METHOD FOR THE COLORIMETRIC DETERMINATION OF TRIGLYCERIDES IN SERUM. Demacker PN, van Oppenraay JB, Baadenhuijsen H, Jansen AP *Clin Chim Acta* 64: 45-50, 1 Oct 75 (Eng) \*DL/76AUG661

## Janson CH

EQUINE SERUM LIPIDS: SERUM LIPIDS AND GLUCOSE IN MORGAN AND THOROUGHBRED HORSES AND SHETLAND PONIES. Robie SM, Janson CH, Smith SC, O'Connor JT Jr *Am J Vet Res* 36: 1705-8, Dec 75 (Eng) \*DL/76AUG612

## Jard S

STIMULUS-RESPONSE COUPLING IN NEUROHYPOPHYSIAL PEPTIDE TARGET CELLS. Jard S, Bockaert J *Physiol Rev* 55: 489-536, Oct 75 (Eng) \*DL/76AUG783

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (physiology); ADENYL CYCLASE (physiology); ANIMAL EXPERIMENTS; CELLS; EPITHELIAL CELLS (physiology); FEMALE; FROGS; HORMONES (pharmacodynamics); IN VITRO; KINETICS; MOLECULAR CONFORMATION; MUSCLE, SMOOTH (drug effects); OXYTOCIN (pharmacodynamics); PEPTIDES (physiology); PITUITARY GLAND (physiology); RABBITS; RATS; RECEPTORS; HORMONE (drug effects); STRUCTURE-

ACTIVITY RELATIONSHIP; SWINE; TOADS; VASOPRESSIN (pharmacodynamics).

## Jarrott B

CARDIAC ADENYLATE CYCLASE. I. PREPARATION AND CHARACTERISATION OF A SUBCELLULAR FRACTION CONTAINING CATECHOLAMINE-SENSITIVE ADENYLATE CYCLASE. Jarrott B, Picken GM *J Mol Cell Cardiol* 7: 685-95, Sep 75 (Eng) \*DL/76AUG730

ADENOSINE MONOPHOSPHATE; ADENOSINE TRIPHOSPHATASE (metabolism); ADENYL CYCLASE (isolation & purification, metabolism); ANIMAL; CHOLESTEROL (analysis); FLUORIDES (pharmacodynamics); IN VITRO; ISOPROTERENOL (pharmacodynamics); MALE; MUSCLE PROTEINS (analysis); MYOCARDIUM (enzymology, ultrastructure); PHOSPHATASES (metabolism); PHOSPHATIDYL INOSITOL (pharmacodynamics); PHOSPHOLIPIDS (analysis); RATS; SARCOLEMMMA (enzymology); SUBCELLULAR FRACTIONS (enzymology).

## Jaspers HT

TRANSPORT-ASSOCIATED PHOSPHORYLATION OF 2-DEOXY-D-GLUCOSE IN SACCHAROMYCES FRAGILIS. Jaspers HT, van Steveninck J *Biochim Biophys Acta* 406: 370-85, 17 Oct 75 (Eng) \*DL/76AUG629

ADENOSINE TRIPHOSPHATE (metabolism); AEROBOSIS; ANAEROBOSIS; BIOLOGICAL TRANSPORT; ACTIVE; DEOXY SUGARS (metabolism); DEOXYGLUCOSE (metabolism); HEXOSEPHOSPHATES (biosynthesis); KINETICS; MATHEMATICS; SACCHAROMYCES (metabolism).

## Jauhonen VP

CYCLIC AMP-LINKED MECHANISMS IN ETHANOL-INDUCED DERANGEMENTS OF METABOLISM IN RAT LIVER AND ADIPOSE TISSUE. Jauhonen VP, Savolainen MJ, Hassinen IE *Biochem Pharmacol* 24: 1879-83, 15 Oct 75 (Eng) \*DL/76AUG919

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (physiology, metabolism); ADIPOSE TISSUE (metabolism, drug effects); ALCOHOL, ETHYL (pharmacodynamics, blood); ANIMAL; BLOOD SUGAR (analysis); FATTY ACIDS, NONESTERIFIED (blood); LIVER GLYCOGEN (metabolism); LIVER (metabolism, drug effects); MALE; RATS; TIME FACTORS; TRIGLYCERIDES (metabolism).

## Javier RP

INOTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM. Hildner FJ, Yeh BK, Javier RP, Fester A, Samet P *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31

## Jeanrenaud B

AN ANOMALY OF INSULIN REMOVAL IN PERFUSED LIVERS OF OBESE-HYPERGLYCEMIC (OB/OB) MICE. Karakash C, Assimacopoulos-Jeannet F, Jeanrenaud B *J Clin Invest* 57: 1117-24, May 76 (Eng) DL/76AUG148

DOES HYPERINSULINEMIA IN OB/OB MICE CAUSE AN INSULIN-STIMULATED ADIPOSE TISSUE Loten EG, Le Marchand Y, Assimacopoulos-Jeannet F, Denton RM, Jeanrenaud B *Am J Physiol* 230: 602-7, Mar 76 (Eng) DL/76AUG437

## Jencks JA

DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

## Diabetes Literature—Author Index

### Jencks DJ

#### Jenkins DJ

LETTER: METABOLIC EFFECTS OF BRAN. Leeds A, Gassull MA, Jenkins DJ, Alberti KG Br Med J 1: 900-1, 10 Apr 76 (Eng) DL/76AUG22

LETTER: FOOD: INFLUENCE OF FORM ON ABSORPTION. Leeds AR, Gassull MA, Metz GL, Jenkins DJ Lancet 2: 1213, 13 Dec 75 (Eng) \*DL/76AUG570

#### Jenkins ST

LETTER: ACUTE DIABETIC ABDOMEN. Jenkins ST Lancet 1: 963, 1 May 76 (Eng) DL/76AUG229

ABDOMEN, ACUTE (etiology); DEHYDRATION (complications); DIABETES MELLITUS (complications); HUMAN; TONGUE.

#### Jennings RB

EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS. Nandan R, Fisher JD, Towery EP, Brown DR, Ganote F, Jennings RB Atherosclerosis 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924

#### Jensen JK

LETTER: DIAGONAL EAR-LOBE CREASE AND DIABETIC RETINAL ANGIOPATHY. Andersen AR, Christiansen JS, Jensen JK N Engl J Med 294: 1182-3, 20 May 76 (Eng) DL/76AUG262

#### Jequier JC

EVALUATION BY MULTIPLE REGRESSION ANALYSIS OF THE CLINICAL CHARACTERISTICS OF A SAMPLE OF ADULT-ONSET DIABETICS] Jequier JC, Gagnon MA, Annable I. Union Med Can 104: 935-43, Jun 75 (Fre) DL/76AUG355

DIABETES MELLITUS (diagnosis); ENGLISH ABSTRACT; FEMALE; HUMAN; MALE; MIDDLE AGE; REGRESSION ANALYSIS; STATISTICS.

#### Jermyn MA

INCREASING THE SENSITIVITY OF THE ANTHRONE METHOD FOR CARBOHYDRATE. Jermyn MA Anal Biochem 68: 332-5, Sep 75 (Eng) \*DL/76AUG885

FRUCTOSE (analysis); GLUCOSE (analysis); HEAT; INDICATORS AND REAGENTS; MICROCHEMISTRY; SPECTROPHOTOMETRY (methods); SPECTROPHOTOMETRY, ULTRAVIOLET (methods).

#### Jeschke J

PLASMA IMMUNOREACTIVE INSULIN IN TRAINED ATHLETES] Karlicek V, Topolcan O, Jeschke J Cas Lek Cesk 115: 324-6, 19 Mar 76 (Cze) DL/76AUG26

#### Jette M

HABITUAL EXERCISERS: A BLOOD SERUM AND PERSONALITY PROFILE. Jette M J Sports Med 3: 12-7, Jan-Feb 75 (Eng) \*DL/76AUG561

ALKALINE PHOSPHATASE (blood); BILIRUBIN (blood); BLOOD CHEMICAL ANALYSIS; BLOOD SUGAR; CHOLESTEROL (blood); HUMAN; MALE; PERSONALITY ASSESSMENT; PHYSICAL EDUCATION AND TRAINING; SERUM ALBUMIN (analysis); URIC ACID (blood).

#### Jewett JF

FATAL FULMINATING DIABETES MELLITUS. Jewett JF N Engl J Med 294: 1289-90, 3 Jun 76 (Eng) DL/76AUG269

ABORTION, THREATENED (mortality); ACIDOSIS, DIABETIC; ADULT; BRONCHOPNEUMONIA; CASE REPORT; FEMALE; HUMAN; INSULIN ANTIBODIES (analysis); INSULIN RESISTANCE; INSULIN (therapeutic use); KETOSIS, DIABETIC (drug therapy, mortality); POTASSIUM (blood);

PREGNANCY IN DIABETES (mortality); PREGNANCY; TIME FACTORS; VENTRICULAR FIBRILLATION.

#### Jick H

MUOCARDIAL INFARCTION AND ESTROGEN THERAPY IN POST-MENOPAUSAL WOMEN. Rosenberg L, Armstrong B, Phil D, Jick H N Engl J Med 294: 1256-9, 3 Jun 76 (Eng) DL/76AUG267

#### Jimenez O

EFFECT OF FASTING AND INSULIN ON THE GLUCAGON-INDUCED ORTHOPHOSPHATE INCORPORATION TO THE ISOLATED PERFUSED RAT LIVER. De Venanzi F, Pena F, Jimenez O, De Alvarado H Proc Soc Exp Biol Med 152: 47-51, May 76 (Eng) DL/76AUG323

#### Joffe BI

CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES. Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP S Afr Med J 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

#### John TM

EFFECT OF THERMAL STRESS AND DEHYDRATION ON PLASMA LEVELS OF GLUCOSE, FREE FATTY ACIDS AND GROWTH HORMONE IN THE PIGEON. John TM, Mckown BA, George JC Arch Int Physiol Biochim 83: 303-8, May 75 (Eng) \*DL/76AUG615

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); DEHYDRATION; FATTY ACIDS, NONESTERIFIED (blood); HEAT; HEMATOCRIT; MALE; PIGEONS; SOMATOTROPIN (blood); STRESS (blood).

#### Johnson JA

ESTIMATION OF THE CAPILLARY PERMEABILITY COEFFICIENTS OF INULIN IN VARIOUS TISSUES OF THE RABBIT. Wittmers LE Jr, Bartlett M, Johnson JA Microvasc Res 11: 67-78, Jan 76 (Eng) DL/76AUG248

A DISTRIBUTED PORE SIZE MODEL FOR CAPILLARIES. Johnson JA, Levitt DG, Wangenstein OD, Bloom G Microvasc Res 10: 217-9, Sep 75 (Eng) \*DL/76AUG747

CAPILLARIES (ultrastructure, physiology); HUMAN; MODELS, BIOLOGICAL.

#### Johnson RN

THE STEADY STATE CONCENTRATIONS OF COENZYME A-SH AND COENZYME A THIOESTER, CITRATE, AND ISOCITRATE DURING TRICARBOXYLATE CYCLE OXIDATIONS IN RABBIT HEART MITOCHONDRIA. Hansford RG, Johnson RN J Biol Chem 250: 8361-75, 10 Nov 75 (Eng) \*DL/76AUG528

#### Johnsonbaugh RE

INCREASE IN PLASMA GROWTH HORMONE CONCENTRATION: A NEW EFFECT OF HELIUM BREATHING. Raymond L, Sode J, Langworthy HC, Blosser J, Johnsonbaugh RE Undersea Biomed Res 1: 91-8, Mar 74 (Eng) \*DL/76AUG590

#### Jones MN

D-GLUCOSE PERMEABILITY OF BLACK LIPID MEMBRANES MODIFIED BY HUMAN ERYTHROCYTE MEMBRANE FRACTIONS. Lidgard GP, Jones MN J Membr Biol 21: 1-10, 23 Apr 75 (Eng) \*DL/76AUG556

#### Jones T

SODIUM IODOACETATE AS AN ANTIGLYCOLYTIC AGENT IN BLOOD SAMPLES. Marbach EP, McLean M, Scham M, Jones T Clin Chem 21: 1810-2, Nov 75 (Eng) \*DL/76AUG658

#### Jonsson D

[EXPERIENCES FROM INTENSIVE MEDICAL CARE AT THE SAHLGRENKA HOSPITAL] Bunkertorp O, Jonsson D, Stakeberg H Lakartidnaren 73: 1720-2, 28 Apr 76 (Swe) DL/76AUG228

#### Joost HG

INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLIC-AMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS. Joost HG, Beckmann J, Lenzen S, Haselblatt A Acta Endocrinol (Kbh) 82: 121-6, May 76 (Eng) DL/76AUG407

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS (analysis); CALCIUM RADIOISOTOPES (metabolism); CYPROHEPTADINE (pharmacodynamics); GLUCOSE (pharmacodynamics); INSULIN (secretion); ISLANDS OF LANGERHANS (metabolism, secretion); MICE; MICE, OBESE; THEOPHYLLINE (pharmacodynamics).

#### Joplin GF

SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY. Casar J, Mashiter K, Sullivan G, Joplin GF Acta Endocrinol (Kbh) 82: 39-46, May 76 (Eng) DL/76AUG408

#### Jorfeldt L

LETTER: POSTOPERATIVE FEEDING AND METABOLISM. Wiklund L, Jorfeldt L Lancet 2: 770, 18 Oct 75 (Eng) \*DL/76AUG742

#### Josifko M

JUVENILE DIABETES AND HUMAN SPERM QUALITY. Bartak V, Josifko M, Horackova M Int J Fertil 20: 30-2, 1975 (Eng) DL/76AUG123

#### Joyce MP

DIRECT NEURAL INHIBITION OF INSULIN SECRETION IN RESPONSE TO SYSTEMIC HYPOGLYCEMIA. Miller RE, Waid TH, Joyce MP Am J Physiol 230: 1090-4, Apr 76 (Eng) DL/76AUG439

#### Jukl A

EFFECT OF EPINEPHRINE ON ADIPOSE TISSUE METABOLISM IN GOATS. Bartos S, Dolezal F, Jukl A Endocrinol Exp (Bratisl) 9: 229-38, Sep 75 (Eng) \*DL/76AUG669

#### Julien D

[MACROLID ANTIBIOTICS AND ADRENALIN-INDUCED HYPERGLYCEMIA] Hugues FC, Julien D Therapie 30: 455-7, May-Jun 75 (Fre) DL/76AUG352

#### Jurcovicova J

EFFECT OF ELECTROCONVULSIVE THERAPY WITHOUT ANTICONVULSIVE PREMEDICATION ON SERUM GROWTH HORMONE IN MAN. Vigas M, Stowasserova N, Nemeth S, Jurcovicova J Horm Res 6: 65-70, 1975 (Eng) \*DL/76AUG691

#### Jurkowitz M

PHOSPHATE AND SUBSTRATE TRANSPORT BY ISOLATED HEART MITOCHONDRIA. Brierley GP, Scott KM, Jurkowitz M, Merola AJ Recent Adv Stud Cardiac Struct Metab 4: 245-52, 1974 (Eng) \*DL/76AUG820

#### Kaczorowski G

ACTIVE TRANSPORT IN ESCHERICHIA COLI B MEMBRANE VESICLES. DIFFERENTIAL INACTIVATING EFFECTS FROM THE ENZYMIC OXIDATION OF BETA-CHLORO-L-ALANINE AND BETA-CHLORO-D-ALANINE. Kaczorowski G, Shaw L, Laura R, Walsh C J Biol Chem 250: 8921-30, 10 Dec 75 (Eng) \*DL/76AUG530

AEROBIOSES; ALANINE (pharmacodynamics, analogs & derivatives); AMINO ACIDS (metabolism); ANAEROBIOSES; BIOLOGICAL TRANSPORT, ACTIVE; CELL MEMBRANE (metabolism, drug effects); ESCHERICHIA COLI (metabolism, drug effects); KINETICS; METHYLGLUCOSIDES (metabolism); PYRUVATES (pharmacodynamics); STEREOISOMERS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

**Kadowitz PJ**

**ROLE OF CYCLIC GMP AS A MEDIATOR OF THE NEGATIVE INOTROPIC EFFECT OF ACETYLCHOLINE IN THE PERFUSED RAT HEART.** George WJ, Kadowitz PJ, Wilkerson RD *Recent Adv Stud Cardiac Struct Metab* 3: 331-9, 1973 (Eng) \*DL/76AUG799

**Kaess H**

**THE EFFECT OF PROPRANOLOL AND PHENTOLAMINE ON SERUM GASTRIN CONCENTRATION IN RESPONSE TO RESPIRATORY ACIDOSIS IN NORMAL MAN.** Kaess H, Utz G, Teckentrup U, Hauck AM, Dörner M *Eur J Clin Invest* 5: 401-8, 12 Sep 75 (Eng) \*DL/76AUG678

**ACIDOSIS, RESPIRATORY** (blood, physiopathology); **ADULT; BLOOD SUGAR** (analysis); **CARBON DIOXIDE** (blood); **CLINICAL RESEARCH; FATTY ACIDS, NONESTERIFIED** (blood); **GASTRIN** (blood); **HUMAN; MALE; PHENTOLAMINE** (pharmacodynamics); **PHILIPPINES; PROPRANOLOL** (pharmacodynamics).

**Kagan A**

**EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS.** Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

**Kahan-Laszlo I**

**COMBINED CLOFIBRATE-CHLORPROPAMIDE THERAPY IN DIABETES INSIPIDUS COMPLICATED WITH DIABETES MELLITUS** [Czako L, Laszlo FA, Kahan-Laszlo I *Endokrinologia* 65: 364-74, 1975 (Ger) DL/76AUG82

**Kahl GF**

**[RECIPIROCAL EFFECTS BETWEEN DRUGS]** Kahl GF *Anaesthesiol Intensivmed Prax* 11: 99-110, Oct 75 (Ger) DL/76AUG444

**ANTICOAGULANTS; BLOOD PRESSURE** (drug effects); **BLOOD SUGAR; DRUG ANTAGONISM; DRUG INTERACTIONS; DRUGS** (administration & dosage, metabolism); **HUMAN; HYPOGLYCEMIC AGENTS** (pharmacodynamics); **INTESTINAL ABSORPTION** (drug effects); **KIDNEY** (metabolism).

**Kahn CR**

**BINDING AND DEGRADATION OF INSULIN BY HUMAN PERIPHERAL GRANULOCYTES. DEMONSTRATION OF SPECIFIC RECEPTORS WITH HIGH AFFINITY.** Fussganger RD, Kahn CR, Roth J, De Meyts P *J Biol Chem* 251: 2761-9, 10 May 76 (Eng) DL/76AUG134

**Kalaja E**

**INHIBITION OF GASTRIC ACID SECRETION IN MAN BY EXOGENOUS AND ENDOGENOUS PANCREATIC GLUCAGON.** Christiansen J, Holst JJ, Kalaja E *Gastroenterology* 70: 688-92, May 76 (Eng) DL/76AUG101

**Kalinin AP**

**[GLUCAGON, STOMACH AND PANCREAS]** Kalinin AP, Radbil OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343

**ANIMAL EXPERIMENTS** (analysis); **DOGS; GASTRIC JUICE** (secretion); **GASTRIC MUCOSA** (secretion); **GASTRIN** (secretion); **GASTROINTESTINAL HORMONES** (physiology); **GLUCAGON** (physiology, secretion, therapeutic use); **HUMAN; HYPERGLYCEMIA** (etiology); **ISLANDS OF LANGERHANS** (secretion); **PANCREAS** (secretion); **PANCREATITIS** (drug therapy); **PEPTIC ULCER** (drug therapy); **REVIEW; SECRETIN** (physiology, secretion).

**Kallner A**

**FATTY ACID PATTERNS OF SERUM TRIGLYCERIDES AND SUBCUTANEOUS ADIPOSE TISSUES AFTER ILEAL BYPASS IN OBESITY.** Kallner A, Hallberg D, Backman L *Scand J Gastroenterol* 10: 763-7, 1975 (Eng) \*DL/76AUG846

**ADIPOSE TISSUE** (metabolism); **BODY WEIGHT; CHOLESTEROL** (blood); **FASTING; FATTY ACIDS** (metabolism, blood, analysis); **HUMAN; ILEOSTOMY; JEJUNUM** (surgery); **OBESITY** (surgery); **SERUM ALBUMIN** (metabolism); **TRIGLYCERIDES** (blood, metabolism, analysis).

**Kamely D**

**NUTRIENT-DEPENDENT ARREST OF FIBROBLAST GROWTH IS PARTIALLY REVERSED BY INSULIN BUT NOT FIBROBLAST GROWTH FACTOR.** Kamely D, Rudland P *Nature* 260: 51-3, 4 Mar 76 (Eng) DL/76AUG271

**BIOLOGICAL TRANSPORT** (drug effects); **CELL DIVISION** (drug effects); **CELL LINE; DNA** (biosynthesis); **FIBROBLASTS** (drug effects, metabolism); **GLUTAMINE** (metabolism); **GROWTH SUBSTANCES** (pharmacodynamics); **HISTIDINE** (metabolism); **INSULIN** (pharmacodynamics); **LEUCINE** (metabolism); **METHIONINE** (metabolism); **PHOSPHATES** (metabolism).

**Kaminska E**

**EFFECTS OF MALEATE ON RENAL CARBOHYDRATE METABOLISM IN VIVO AND IN VITRO.** Rogulski J, Strzelecki T, Pacanis A, Kaminska E, Angielski S *Curr Probl Clin Biochem* 4: 106-10, 1975 (Eng) \*DL/76AUG483

**Kamiyama Y**

**CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD.** Kimura K, Kamiyama Y, Ozawa K, Honjo I *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100

**Kanaka TS**

**ACID INHIBITOR IN INSULIN TEST- A PRELIMINARY REPORT.** Venkataraman MS, Balasubramanian V, Kanaka TS, Nanjunda Rao R *Indian J Physiol Pharmacol* 19: 207-12, Oct-Dec 75 (Eng) DL/76AUG119

**Kanamori T**

**CHARACTERIZATION OF PROTEIN KINASES FROM BOVINE PAROTID GLANDS. THE EFFECT OF TOLBUTAMIDE AND ITS DERIVATIVE ON THESE PARTIALLY PURIFIED ENZYMES.** Kanamori T, Hayakawa T, Nagatsu T *Biochim Biophys Acta* 429: 147-62, 11 Mar 76 (Eng) DL/76AUG2

**ADENOSINE CYCLIC 3,5 MONOPHOSPHATE** (pharmacodynamics); **ADENOSINE TRIPHOSPHATE** (pharmacodynamics); **ANIMAL EXPERIMENTS** (analysis); **CATTLE; ENZYME ACTIVATION** (drug effects); **GUANOSINE CYCLIC 3,5 MONOPHOSPHATE** (pharmacodynamics); **GUANOSINE TRIPHOSPHATE** (pharmacodynamics); **KINETICS; PAROTID GLAND** (drug effects, enzymology); **PHILIPPINES** (physiology); **POTASSIUM CHLORIDE** (pharmacodynamics); **PROTEIN KINASE** (isolation & purification,

metabolism); **SODIUM CHLORIDE** (pharmacodynamics); **TOLBUTAMIDE** (analogs & derivatives, pharmacodynamics).

**Kandall CL**

**DETERMINANTS OF THE FORMATION AND ACTIVITY OF FACTOR V-PHOSPHOLIPID COMPLEXES. I. INFLUENCE OF PHOSPHOLIPID STRUCTURE.** Kandall CL, Shohet SB, Akinbami TK, Colman RW *Thromb Diath Haemorrh* 34: 256-70, 30 Sep 75 (Eng) \*DL/76AUG849

**CARDIOLIPINS** (pharmacodynamics); **CATTLE; CHOLESTEROL** (analysis); **ENZYME ACTIVATION; FACTOR V** (analysis, isolation & purification, metabolism); **FATTY ACIDS** (analysis); **FATTY ACIDS, UNSATURATED** (analysis); **LIPOPROTEINS** (analysis); **MICELLES; MOLECULAR CONFORMATION; PHOSPHATIDYL CHOLINE** (pharmacodynamics); **PHOSPHATIDYL ETHANOLAMINE** (pharmacodynamics); **PHOSPHATIDYL INOSITOL** (pharmacodynamics); **PHOSPHATIDYL SERINE** (pharmacodynamics); **PHOSPHOLIPIDS** (analysis, pharmacodynamics); **PROTEIN BINDING; PROTHROMBIN** (metabolism); **THROMBIN** (biosynthesis); **UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**

**Kano K**

**POLYAMINE TRANSPORT AND METABOLISM IN MOUSE MAMMARY GLAND. GENERAL PROPERTIES AND HORMONAL REGULATION.** Kano K, Oka T *J Biol Chem* 251: 2795-800, 10 May 76 (Eng) DL/76AUG135

**ANIMAL EXPERIMENTS** (analysis); **BIOLOGICAL TRANSPORT, ACTIVE; CELLS, CULTURED; FEMALE; INSULIN** (pharmacodynamics); **KINETICS; MAMMAE** (drug effects, metabolism); **MICE; POLYAMINES** (metabolism); **PREGNANCY; PROLACTIN** (pharmacodynamics); **PUTRESCINE** (metabolism); **SPERMIDINE** (metabolism); **SPERMINE** (metabolism); **TEMPERATURE.**

**Kansal PC**

**FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY.** Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

**ADOLESCENCE; ADULT; AGED; CASE REPORT; DIABETES MELLITUS** (complications, drug therapy, immunology); **HUMAN; INSULIN ANTIBODIES; INSULIN RESISTANCE; INSULIN** (metabolism, therapeutic use); **INSULIN** (administration & dosage); **LEUKEMIA, LYMPHOCYTIC** (complications); **MALE; MIDDLE AGE; PREDNISONE** (therapeutic use); **PROTEIN BINDING.**

**Kantoch Z**

**[GLYCEMIA AND THE LEVELS OF FREE FATTY ACIDS IN SMALL-FOR-DATE BORN INFANTS AFTER MONOSACCHARIDE LOAD. COMMUNICATION I (AUTHORS TRANSL)]** Sztotowa W, Kantoch Z, Rodkiewicz B, Rola-Janicki A *Probl Med Wzrost Rozw* 5: 75-81, 1975 (Pol) DL/76AUG316

**Kaplan MA**

**[STUDY OF THE CONTENT OF TOTAL POTASSIUM IN PATIENTS WITH DIABETES MELLITUS BY THE METHOD OF WHOLE BODY RADIOMETRY]** Ershova LM, Gabunia RI, Kaplan MA *Ter Arkh* 47: 117-9, 1975 (Rus) DL/76AUG348

**Karacan I**

**GROWTH HORMONE LEVELS DURING MORNING AND AFTERNOON NAPS.** Karacan

## Karakash C

I, Rosenbloom AL, Londono JH, Williams RL, Salis PJ *Behav Neuropsychiatry* 6: 67-70, Apr 74-Mar 75 (Eng) \*DL/76AUG908  
ADULT; CIRCADIAN RHYTHM; HUMAN; MALE; PERIODICITY; SLEEP (physiology); SLEEP, REM (physiology); SOMATOTROPIN (blood); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

## Karakash C

AN ANOMALY OF INSULIN REMOVAL IN PERFUSED LIVERS OF OBESE-HYPERGLYCEMIC (OB/OB) MICE. Karakash C, Assimacopoulos-Jeanet F, Jeanrenaud B *J Clin Invest* 57: 1117-24, May 76 (Eng) DL/76AUG148  
ANIMAL EXPERIMENTS (analysis); FASTING; INSULIN (metabolism, pharmacodynamics); LIVER (drug effects, metabolism); MALE; MICE; MICE, OBESE (metabolism); ORGAN WEIGHT; PERFUSION.

## Kark E

THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE. Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202

## Kark RM

NUTRITIONAL ASPECTS OF CARDIOVASCULAR RENAL DISEASES. Kark RM, Oyama JH *Prog Food Nutr Sci* 1: 611-44, 1975 (Eng) [150] DL/76AUG331

ANIMAL EXPERIMENTS (analysis); CARDIOVASCULAR DISEASES (etiology, therapy); DEFICIENCY DISEASES; DIABETIC NEPHROPATHIES; DIET; ENERGY METABOLISM; GLOMERULONEPHRITIS; HEART FAILURE, CONGESTIVE; HUMAN; HYPERTENSION; HYPOKALEMIA; KIDNEY DISEASES (etiology, therapy); KIDNEY FAILURE, ACUTE; KIDNEY FAILURE, CHRONIC; KIDNEY (physiology); MINERALS; NEPHROTIC SYNDROME; NUTRITION DISORDERS (complications); NUTRITION; REVIEW; STARVATION; WATER.

## Kark SL

THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE. Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202

ADULT; ARTERIOSCLEROSIS (prevention & control); ATHEROSCLEROSIS (prevention & control); COMMUNITY MEDICINE; DIABETES MELLITUS (prevention & control); FAMILY PRACTICE; FEMALE; GENERAL PRACTICE; HUMAN; HYPERTENSION (prevention & control); ISRAEL (instrumentation); MALE; MIDDLE AGE.

## Karlick V

[PLASMA-INDUCED IMMUNOREACTIVE INSULIN IN TRAINED ATHLETES] Karlick V, Topolcan O, Jeschke J *Cas Lek Cesk* 115: 324-6, 19 Mar 76 (Cze) DL/76AUG26

ADAPTATION, PHYSIOLOGICAL; ADULT; ANTIGENS (analysis); ENGLISH ABSTRACT; EXERTION; HUMAN; INSULIN (blood); MALE; PHYSICAL EDUCATION AND TRAINING; SPORT MEDICINE.

[IMMUNOREACTIVE INSULIN IN OBESE PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL.)] Karlick V, Topolcan O, Chudacek Z *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29

ADULT; ANTIGENS; CORONARY DISEASE (blood); ENGLISH ABSTRACT; HUMAN; INSULIN (blood); MIDDLE AGE; MYOCARDIAL INFARCT (blood); OBESITY (blood, complications).

## Diabetes Literature—Author Index

### Karmazin L

[CELL-MEDIATED IMMUNE RESPONSE IN JUVENILE DIABETES] Karmazin L, Amoro I *Acta Paediatr Acad Sci Hung* 16: 317-26, 1975 (Ger) DL/76AUG417

ADOLESCENCE; ADULT; ANTIBODY FORMATION; ANTIGENS; BLOOD SUGAR (metabolism); CELL MIGRATION INHIBITION; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (immunology); FEMALE; HUMAN; IMMUNITY, CELLULAR; INSULIN (blood); LEUKOCYTES (immunology); MALE; MIDDLE AGE; MIGRATION INHIBITORY FACTOR (isolation & purification).

### Karonen SL

LETTER: EFFECTS OF EXERTION ON HORMONE SECRETION. Karonen SL, Adlercreutz H, Dessypris A *Br Med J* 4: 102-3, 11 Oct 75 (Eng) \*DL/76AUG645

EXERTION; HUMAN; MALE; PHYSICAL FITNESS; SOMATOTROPIN (blood).

### Kasatkin IuN

[INSULIN CONTENT OF RAT BLOOD FOLLOWING INJURY TO THE VENTROMEDIAL SECTION OF THE HYPOTHALAMUS] Goldberg RS, Kasatkin IuN, Lazaris Ial, Smirnova I K *Biull Eksp Biol Med* 79: 40-3, Jun 75 (Rus) DL/76AUG9

### Kasatkina LA

[PATHOGENESIS OF DISORDERS OF THE THYROID GLAND FUNCTION IN PREGNANCY] Bobik IuI, Kasatkina LA, Pashchenko AE, Mitso ASH, Fabri ZI *Vopr Okhr Materin Det* 19: 71-3, Feb 74 (Rus) \*DL/76AUG859

### Kaschnitz RM

LIPID OXIDATION IN BIOLOGICAL MEMBRANES. ELECTRON TRANSFER PROTEINS AS INITIATORS OF LIPID AUTOXIDATION. Kaschnitz RM, Hatefi Y *Arch Biochem Biophys* 171: 292-304, Nov 75 (Eng) \*DL/76AUG897

ANIMAL; CATTLE; CLOSTRIDIUM (metabolism); CYTOCHROME P-450 (metabolism); ELECTRON TRANSPORT; FERREDOXINS (metabolism); HEMOPROTEINS (metabolism); HEMOGLOBINS (metabolism); HUMAN; KINETICS; LIPIDS (metabolism); METHEMOGLOBIN (metabolism); MICROSOMES, LIVER (enzymology); MITOCHONDRIA (enzymology); OXIDATION-REDUCTION; PEROXIDES (metabolism); PHENANTHROLINES; PHILIPINES; PROTEIN BINDING; PROTEINS (metabolism); RABBITS; SUCCINATE DEHYDROGENASE (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Kastin AJ

[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY] Gonzalez-Barcena D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

### Kather H

EFFECTS OF SH-REAGENTS OF DIFFERENT MOLECULAR SIZE UPON GLUCOSE METABOLISM IN ISOLATED RAT FAT CELLS. Kather H, Simon B *Horm Metab Res* 7: 415-8, Sep 75 (Eng) \*DL/76AUG690

ADIPOSE TISSUE (metabolism, drug effects); ANIMAL; CARBON DIOXIDE (metabolism); CHLOROMERCURIBENZOTATES (pharmacodynamics); DEXTRAN (pharmacodynamics); GLUCOSE (metabolism); IN VITRO; MALE; MOLECULAR WEIGHT; RATS; TRIGLYCERIDES (biosynthesis).

### Katoh E

[EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL.)] Sailer R, Katoh E, Drunklee D, Kovacicsek S, Berger M *Munch Med Wochenschr* 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

### Katona G

COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST. Papic Z, Katona G, Crepinko I, Skrabalo Z *Acta Diabetol Lat* 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

### Katsu K

[HISTOCHEMICAL STUDY OF MEDIUM-CHAIN, NEUTRAL FAT, GLUCOSE AND IRON UPTAKE IN THE INTESTINAL-TYPE EPITHELIAL CELLS OF THE GASTRIC MUCOSA] Katsu K, Maezawa H, Odakura T *Jpn J Gastroenterol* 72: 838-45, Jul 75 (Jpn) DL/76AUG560

ADULT; AGED; ENGLISH ABSTRACT; EPITHELIAL CELLS (metabolism, cytology); FATS (metabolism); FEMALE; GASTRIC MUCOSA (metabolism, cytology); GLUCOSE (metabolism); HISTOCYTOCHEMISTRY; HUMAN; IRON (metabolism); MALE; MIDDLE AGE.

### Kattermann R

[FUNCTION TESTS FOR CARBOHYDRATE METABOLISM IN CLINICAL AND MEDICAL PRACTICE. BASIC PRINCIPLES, TECHNIC AND VALUE] Kattermann R, Kobberling J *Med Welt* 26: 2293-9, 19 Dec 75 (Ger) DL/76AUG238

BLOOD SUGAR (metabolism); DIABETES MELLITUS (diagnosis); GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (secretion); TOLBUTAMIDE (diagnostic use).

### Katyare S

OSCILLATORY STATES OF MITOCHONDRIA. INFLUENCE OF UNSATURATED FATTY ACID COMPOSITION. Williams MA, Katyare S, Packer L *Arch Biochem Biophys* 170: 353-9, Oct 75 (Eng) \*DL/76AUG895

### Katz AM

CONGESTIVE HEART FAILURE: ROLE OF ALTERED MYOCARDIAL CELLULAR CONTROL. Katz AM *N Engl J Med* 293: 1184-91, 4 Dec 75 (Eng) \*DL/76AUG751

ACIDOSIS (metabolism); ACTIN (physiology); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (physiology); CALCIUM (physiology, metabolism); HEART FAILURE, CONGESTIVE (physiopathology, metabolism); HEART (physiopathology); HUMAN; MYOCARDIAL CONTRACTION; MYOCARDIUM (cytology); MYOSIN (physiology); POTASSIUM (metabolism); PROTEIN BINDING; SARCOLEMMAS (physiology); SARCOPLASMIC RETICULUM (physiology); SODIUM (physiology, metabolism); TROPOMYOSIN (physiology); TROPONIN (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

### Katz MS

SELECTIVE INHIBITION OF CHOLERA TOXIN- AND CATECHOLAMINE-STIMULATED LIPOLYSIS BY BLOCKING AGENTS. Katz MS, Greenough WB 3d *Infect Immun* 12: 964-8, Nov 75 (Eng) \*DL/76AUG519

ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS; CATECHOLAMINES (pharmacodynamics); DEPRESSION,



CHEMICAL; ENTEROTOXINS (pharmacodynamics); EPINEPHRINE (antagonists & inhibitors); ISOPROTERENOL (antagonists & inhibitors); LIPIDS (metabolism); MALE; NOREPINEPHRINE (antagonists & inhibitors); PHENTOLAMINE (pharmacodynamics); PRACTOLOL (pharmacodynamics); PROPRANOLOL (pharmacodynamics); RATS; RECEPTORS, ADRENERGIC; THEOPHYLLINE (antagonists & inhibitors); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VIBRIO CHOLERAEE.

#### Kauchtschischvili G

[INSULIN AVAILABILITY IN SOME FAMILIAL INHERITED NEUROLOGICAL SYNDROMES (AUTHORS TRANSL)] Fratino P, Kauchtschischvili G, Nappi G, Poloni M, Favino A, Criffo A *Riv Patol Nerv Ment* 95: 624-31, Oct 74 (Ita) DL/76AUG335

#### Kauer JS

LOCAL SITES OF ACTIVITY-RELATED GLUCOSE METABOLISM IN RAT OLFACTORY BULB DURING OLFACTORY STIMULATION. Sharp FR, Kauer JS, Shepherd GM *Brain Res* 98: 596-600, 21 Nov 75 (Eng) \*DL/76AUG646

#### Kaufmann P

EXPERIMENTS ON INFARCT GENESIS CAUSED BY BLOCKAGE OF CARBOHYDRATE METABOLISM IN GUINEA PIG PLACENTA. Kaufmann P *Virchows Arch [Pathol Anat]* 368: 11-21, 7 Oct 75 (Eng) \*DL/76AUG858

ANIMAL; CARBOHYDRATES (metabolism); ERYTHROCYTE AGGREGATION, INTRAVASCULAR (chemically induced); FEMALE; FIBRIN (metabolism); GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (antagonists & inhibitors); GUINEA PIGS; INFARCTION (metabolism, chemically induced, pathology); IODOACETATES; PLACENTA (blood supply, metabolism, ultrastructure); PREGNANCY; PROTEOLYCANAS (metabolism); PYRUVATES (metabolism).

#### Kaufmann RI

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPLANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RI, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

#### Kaur A

RADIATION EFFECTS ON ALKALINE PHOSPHATASE AND GLUCOSE-6-PHOSPHATASE IN ANATOMICALLY DIFFERENT REGIONS OF MOUSE INTESTINE. Kaur A, Dubey DP, Gupta GS *Strahlentherapie* 150: 427-32, Oct 75 (Eng) \*DL/76AUG855  
ALKALINE PHOSPHATASE (radiation effects, physiology); ILIUM (enzymology, radiation effects); INTESTINE, SMALL (radiation effects, enzymology); JEJUNUM (enzymology, radiation effects); MALE; MICE; RADIATION EFFECTS; TIME FACTORS.

#### Kean EA

COUNTERACTION OF GLUCOCORTICOID-INDUCED HYPERGLYCAEMIA BY HYPOGLYCEIN. Kean EA, Walters P *West Indian Med J* 24: 206-9, Dec 75 (Eng) DL/76AUG372

ALANINE (analogs & derivatives); ANIMAL EXPERIMENTS (analysis); CYCLOPROPANES (pharmacodynamics); GLUCOCORTICIDS

(antagonists & inhibitors); GLUCONEOGENESIS (drug effects); HYPERGLYCEMIA (chemically induced); HYPOGLYCEMIA (chemically induced); HYPOGLYCEMIC AGENTS; MALE; RATS.

#### Kearsley M

BLOOD GLUCOSE PROFILES IN MAN AFTER INGESTION OF GLUCOSE SYRUP FRAC-TIONS. Kearsley M, Fairhurst E, Green LF *Proc Nutr Soc* 34: 60a-61a, Sep 75 (Eng) \*DL/76AUG769

BLOOD SUGAR (metabolism); DISACCHARIDES (analysis); GLUCOSE (metabolism, analysis); HUMAN; HYDROLYSIS; MALE; MOLECULAR WEIGHT; MONOSACCHARIDES (analysis); OLIGOSACCHARIDES (analysis); STARCH.

#### Kebabian JW

RAPID CHANGES IN RAT PINEAL BETA-ADRENERGIC RECEPTOR: ALTERATIONS IN L-(3H)ALPRENOLOL BINDING AND ADENYLATE CYCLASE. Kebabian JW, Zatz M, Romero JA, Axelrod J *Proc Natl Acad Sci USA* 72: 3735-9, Sep 75 (Eng) \*DL/76AUG766

ADENOSINE TRIPHOSPHATE (pharmacodynamics); ADENYL CYCLASE (metabolism); ALPRENOLOL (metabolism); ANIMAL EXPERIMENTS; BINDING SITES; ISOPROTERENOL (pharmacodynamics); LIGHT; MALE; PINEAL BODY (metabolism, enzymology); RATS; RECEPTORS, ADRENERGIC (drug effects); TIME FACTORS.

#### Keith MO

UTILIZATION OF AMINO ACIDS ADMINISTERED ENTERALLY OR PARENTERALLY TO YOUNG PIGS. Keith MO, Pearce RW, Botting HG, Hamilton EJ *J Nutr* 105: 1535-43, Dec 75 (Eng) \*DL/76AUG550  
ADMINISTRATION, ORAL; AMINO ACIDS, ESSENTIAL (metabolism, administration & dosage); ANIMAL EXPERIMENTS; BLOOD PROTEINS (metabolism); BLOOD SUGAR (metabolism); CASEIN (administration & dosage); COMPARATIVE STUDY; ELECTROLYTES (blood); FASTING; FEMALE; GASTRIC FISTULA; HEMATOCRIT; LIPIDS (blood); NITROGEN (metabolism); PARENTERAL FEEDING; STOMACH (surgery); SWINE (metabolism).

#### Kelnar CJ

HYPOGLYCAEMIA IN CHILDREN UNDERGOING ADENOTONSILLECTOMY. Kelnar CJ *Br Med J* 1: 751-2, 27 Mar 76 (Eng) DL/76AUG16  
ADENOIDECTOMY; CASE REPORT; CHILD; CHILD, PRESCHOOL; FEMALE; HUMAN; HYPOGLYCEMIA (etiology); POSTOPERATIVE COMPLICATIONS; TONSILLECTOMY.

#### Kelsch RC

RISE IN PLASMA FREE-NOREPINEPHRINE DURING ANESTHETIC INDUCTION WITH KETAMINE. Zsigmond EK, Kelsch RC, Kothary SP *Behav Neuropsychiatry* 6: 81-4, Apr 74-Mar 75 (Eng) \*DL/76AUG909

#### Kennedy T

INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS. Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

#### Kerpel-Fronius E

SERUM INSULIN VALUES DURING ORAL GLUCOSE TOLERANCE TEST IN VARIOUS AGE GROUPS. Kerpel-Fronius E, Gacs G *Acta Paediatr Acad Sci Hung* 16: 197-202, 1975 (Eng) DL/76AUG413

ADOLESCENCE; AGE FACTORS; ANTIGENS; BLOOD SUGAR (metabolism); CHILD; CHILD, PRESCHOOL; ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; INFANT; INFANT, NEWBORN; INSULIN (blood).

#### Keys A

CORONARY HEART DISEASE—THE GLOBAL PICTURE. Keys A *Atherosclerosis* 22: 149-92, Sep-Oct 75 (Eng) [278] \*DL/76AUG921  
ADULT; CHOLESTEROL (blood); CORONARY DISEASE (occurrence, prevention & control, mortality, familial & genetic); DIETARY FATS (adverse effects); DIETARY HABITS; ESKIMOS; ETHNIC GROUPS; EXERTION; FEMALE; HUMAN; INDIANS, NORTH AMERICAN; MALE; MIDDLE AGE; OBESITY (complications); OCCUPATIONS; PERSONALITY; PHYSICAL FITNESS; REVIEW; SMOKING (complications); SOCIAL CLASS; STRESS (complications); SUCROSE (adverse effects); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VITAMIN E (pharmacodynamics); WATER SUPPLY (analysis).

#### Khakpour M

DIABETES MELLITUS FOLLOWING A MUMPS EPIDEMIC. Khakpour M, Nik-Akhtar B *J Trop Med Hyg* 78: 262-3, Dec 75 (Eng) DL/76AUG206  
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#### Khanna SS

EFFECT OF STREPTOZOTOCIN ON THE BLOOD GLUCOSE LEVEL AND HISTOLOGY OF THE PRINCIPAL ISLETS OF CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS *Z Mikrosk Anat Forsch* 89: 319-26, 1975 (Eng) DL/76AUG391

#### Khizhniak MI

[EARLY DETECTION OF DIABETES MELLITUS IN ADULTS AND FACTORS OF INCREASED RISK OF ITS DEVELOPMENT] Antonov IuS, Khizhniak MI *Ter Arkh* 48: 114-9, 1976 (Rus) DL/76AUG349

#### Khodorovskaia IK

[DETECTION AND PREVENTIVE MEDICAL EXAMINATION OF CHILDREN WITH A HEAVY HISTORY IN CONNECTION WITH DIABETES MELLITUS] Khodorovskaia IK, Bakhareva TP *Vopr Okhr Materin Det* 20: 87, Sep 75 (Rus) DL/76AUG365  
ADOLESCENCE; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (diagnosis, familial & genetic); HUMAN.

#### Khristov L

[CHANGES IN BLOOD COAGULATION IN DIABETIC NEPHROPATHY] Astrug A, Khristov L, Stamenova T *Vutr Boles* 14: 69-75, 1975 (Bul) DL/76AUG369

#### Kiang SW

SEMI-SOLID SURFACE FLUOROMETRIC ANALYSIS OF GLUCOSE. Kiang SW, Kuan JW, Guillaubert GG *Clin Chem* 21: 1799-801, Nov 75 (Eng) \*DL/76AUG657  
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## Diabetes Literature—Author Index

### Kibrick S

#### Kibrick S

SUSCEPTIBILITY OF MICE TO GROUP B COXSACKIE VIRUS IS INFLUENCED BY THE DIABETIC GENE. Webb SR, Loria RM, Madge GE, Kibrick S *J Exp Med* 143: 1239-48, 1 May 76 (Eng) DL/76AUG191

#### Kicic M

[INFLUENCE OF CHLORPROPAMIDE ON THE EXCRETION OF ELECTROLYTES IN DIABETES INSIPIDUS] Peci-Popovic E, Janjic M, Kicic M *Glas Srp Akad Nauka [Med]* 77-84, 1975 (Ser) DL/76AUG104

#### Kieser H

[THE INFLUENCE OF FEEDING ON CLINICAL-CHEMICAL PARAMETERS IN THE SERUM OF RATS (AUTHORS TRANSL)] Breuer J, Kieser H *Z Klin Chem Klin Biochem* 13: 401-5, Sep 75 (Ger) \*DL/76AUG595

#### Kim CI

A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS. Harano Y, Shimizu Y, Yoshida M, Dtani N, Kim CI *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399

#### Kim ND

45CA2 & ACCUMULATION BY MITOCHONDRIA AND SARCOPLASMIC RETICULUM IN CHRONIC POTASSIUM DEPLETION CARDIOMYOPATHY. Kim ND, Harrison CE *Recent Adv Stud Cardiac Struct Metab* 4: 551-62, 1974 (Eng) \*DL/76AUG824

ANIMAL BINDING SITES; BIOLOGICAL TRANSPORT; CALCIUM (metabolism); CATS; CELL-FREE SYSTEM; CHRONIC DISEASE; IN VITRO; MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIAL CONTRACTION; MYOCARDIAL DISEASES, PRIMARY (metabolism, physiopathology); MYOCARDIUM (metabolism, ultrastructure); POTASSIUM DEFICIENCY; RABBITS; SARCOPLASMIC RETICULUM (metabolism).

MYOCARDIAL FUNCTION AND SUBCELLULAR CALCIUM METABOLISM IN CHRONIC POTASSIUM DEFICIENCY. Sack DW, Kim ND, Harrison CE *Jr Recent Adv Stud Cardiac Struct Metab* 5: 203-11, 1975 (Eng) \*DL/76AUG833

#### Kimmerling G

INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET. Ginsberg H, Olefsky JM, Kimmerling G, Crapo P, Reaven GM *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145

EFFECTS OF GLUCOCORTICOID ON CARBOHYDRATE METABOLISM. Olefsky JM, Kimmerling G *Am J Med Sci* 271: 202-10, Mar-Apr 76 (Eng) DL/76AUG430

#### Kimura K

CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD. Kimura K, Kamiyama Y, Ozawa K, Honjo I *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100

ADENINE NUCLEOTIDES (metabolism); ADENOSINE DIPHOSPHATE (metabolism); ADENYLATE KINASE (metabolism); ADMINISTRATION, ORAL; ALLOXAN DIABETES (metabolism); ANIMAL EXPERIMENTS (analysis); ANTIGENS (analysis); BLOOD SUGAR (metabolism); ENERGY METABOLISM (drug effects); GLUCOSE (administration & dosage, pharmacodynamics); INSULIN (immunology, metabolism); LIVER (metabolism); MALE; MITOCHONDRIA, LIVER (enzymology, metabolism); PANCREAS (secretion); PHOSPHOTRANSFERASES, ATP (metabolism); RATS.

#### Kin E

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLL. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

#### Kinne R

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; BIOLOGICAL TRANSPORT, ACTIVE; CATIONS, MONOVALENT; CELL MEMBRANE (metabolism, drug effects); GLUCOSE (metabolism); KIDNEY CORTEX (metabolism); KINETICS; PHLOPHIZIN (pharmacodynamics); POTASSIUM CHLORIDE (pharmacodynamics); RATS; SODIUM CHLORIDE (pharmacodynamics); SODIUM (metabolism); STEREOISOMERS; THERMODYNAMICS.

DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX. Kinne R, Shlatz LJ, Kinne-Saffran E, Schwartz IL *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ALKALINE PHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; CELL MEMBRANE (enzymology, drug effects); CYTOSOL (enzymology); ENZYME ACTIVATION (drug effects); KIDNEY CORTEX (cytology, enzymology); KINETICS; MAGNESIUM (pharmacodynamics); OUBAIN (pharmacodynamics); POTASSIUM CHLORIDE (pharmacodynamics); POTASSIUM (pharmacodynamics); PROTEIN BINDING; PROTEIN KINASE (metabolism); RATS; SODIUM (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

#### Kinne-Saffran E

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX. Kinne R, Shlatz LJ, Kinne-Saffran E, Schwartz IL *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

#### Kirasova ZhR

[CERTAIN INDICATORS OF THE FUNCTIONAL STATE OF FETOPLACENTAL COMPLEX IN PREGNANCY COMPLICATED BY LATE TOXEMIA AND THREATENED ABORTION] Anisimova MI, Eiber NS, Kirasova ZhR *Vopr Okhr Materin Det* 19: 62-6, Apr 74 (Rus) \*DL/76AUG860

#### Kirschbaum BB

GLYCOPROTEIN METABOLISM IN HUMAN RENAL DISEASE. SERUM GLYCOPROTEINS AND GLYCOPROTEIN: GLYCOSYL TRANSFERASE LEVELS IN CHRONIC RENAL FAILURE. Kirschbaum BB *J Lab Clin Med* 86: 764-71, Nov 75 (Eng) \*DL/76AUG720

ADOLESCENCE; ADULT; ABO BLOOD-GROUP SYSTEM; BLOOD PLATELETS (enzymology); BLOOD (drug effects); CATIONS, DIVALENT; CHILD; CREATININE (blood); FEMALE; GALACTOSEMIA; GLYCOPROTEIN BETA GALACTOSYLTRANSFERASE (blood); GLYCOPROTEINS (blood); HEAT; HEXOSAMINES (blood); HEXOSES (blood); HEXOSYLTRANSFERASES (blood); HUMAN; KIDNEY FAILURE, CHRONIC (blood, enzymology); MALE; MIDDLE AGE; SIALIC ACIDS (blood); SIALYLTRANSFERASE (blood); UREA (pharmacodynamics).

#### Kiselev GV

[METABOLISM OF LIVER POLYPHOSPHOSITIDES IN RATS DURING STIMULATING AND DEPRESSING INFLUENCES ON THE ORGANISM] Kiselev GV, Pavlinova LI *Biull Eksp Biol Med* 80: 40-3, Sep 75 (Rus) DL/76AUG10

AMPHETAMINE (pharmacodynamics); ANIMAL EXPERIMENTS (analysis); ANOXIA; ELECTRIC STIMULATION; ENGLISH ABSTRACT; HYPOGLYCEMIA; LIVER (drug effects, metabolism); MALE; PHOSPHATES (metabolism); PHOSPHOSITIDES (metabolism); RATS; THIOPENTAL.

#### Klahr S

INSULIN STIMULATES ACTIVE SODIUM TRANSPORT IN TOAD BLADDER BY TWO MECHANISMS. Wiesmann WP, Sinha S, Klahr S *Nature* 260: 546-7, 8 Apr 76 (Eng) DL/76AUG272

#### Klassen GA

ADAPTATION OF THE CORONARY CIRCULATION TO PRIMARY MYOCARDIAL DISEASE. Klassen GA, Tanser PH, Marpole D, Agarwal JB *Recent Adv Stud Cardiac Struct Metab* 3: 497-506, 1973 (Eng) \*DL/76AUG802

ADOLESCENCE; ADULT; CORONARY CIRCULATION; CORONARY VESSELS (anatomy & histology); FEMALE; HUMAN; MALE; MIDDLE AGE; MYOCARDIAL DISEASES, PRIMARY (physiopathology); MYOCARDIUM (metabolism); OLIC ACIDS (metabolism); OXYGEN CONSUMPTION; VASCULAR RESISTANCE.

#### Klatsky AL

PREDICTORS OF SUDDEN CARDIAC DEATH. Friedman GD, Klatsky AL, Siegel AB *Circulation* 52: 164-9, Dec 75 (Eng) \*DL/76AUG656

#### Klein I

PROTEIN DEGRADATION IN ACUTE CARDIAC LOADING: THE PROBLEM OF REUTILIZATION OF AMINO ACIDS. Schreiber SS, Oratz M, Klein I, Rothschild MA *Recent Adv Stud Cardiac Struct Metab* 3: 589-601, 1973 (Eng) \*DL/76AUG806

#### Kleitke B

RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISOLATED AFTER AORTIC CONSTRICTION, STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT. Wollenberger A, Kleitke B *Recent Adv Stud Cardiac Struct Metab* 3: 535-50, 1973 (Eng) \*DL/76AUG804

#### Klockars M

LYSOZYME ACTIVITY IN CEREBROSPINAL FLUID. Reitano S, Klockars M *Acta Med Scand* 199: 321-5, 1976 (Eng) DL/76AUG420

**Kloppel G**

ULTRASTRUCTURE OF HEMANGIOEPITHELIOMA ASSOCIATED WITH PARANEOPlastic HYPOGLYCEMIA. Bommer G, Altenahr E, Kuhnau J Jr, Kloppel G. *Z Krebsforsch* 85: 231-41, 19 Mar 76 (Eng) DL/76AUG389

**Kloss D**

[EARLY ADAPTATION OF PREMATURE INFANTS (HEMATOLOGICAL AND BIOCHEMICAL ASPECTS)] Rusu O, Bulat E, Iorgulescu M, Deciu L, Baltac C. *Kloss D Rev Pediatr Obstet Gynecol [Pediatr]* 24: 37-47, Jan-Mar 75 (Rum) \*DL/76AUG840

**Kmoch J**

[INSULINEMIA IN RENAL GLYCOSURIA] Polackova H, Kmoch J, Prokes J, Svoboda Z, Vsetekova A. *Vnitř Lek* 22: 341-4, Apr 76 (Cze) DL/76AUG363

**Knieriem HJ**

[MORPHOLOGY OF CORONARY HEART DISEASE (AUTHORS TRANSL.)] Knieriem HJ. *Radiologie* 16: 84-8, Mar 76 (Ger) DL/76AUG329

ADULT; AGED; ARTERIES (abnormalities); ARTERIOSCLEROSIS (complications, pathology); CHRONIC DISEASE; CORONARY DISEASE (complications, pathology); CORONARY VESSEL ANOMALIES; CORONARY VESSELS (radiography); DIABETIC ANGIOPATHIES (pathology); ENGLISH ABSTRACT; HUMAN; HYPERLIPIDEMIA (complications); HYPERTENSION (complications); MALE; MIDDLE AGE; MUSCLE, SMOOTH (pathology); MYOCARDIUM (pathology).

**Knoche E**

[METABOLIC BEHAVIOR AND UTILIZATION OF PARENTERALLY ADMINISTERED CARBOHYDRATES IN THE POSTOPERATIVE PHASE] Dolp R, Grab E, Knoche E, Ahnfeldt FW. *Infusions therapie* 2: 103-10, Apr 75 (Ger) \*DL/76AUG699

**Knoll G**

[ADIPOSITY IN CHILDREN] Spahn U, Knoll G, Plenert W. *Kinderarzt Prax* 43: 166-80, Apr 75 (Ger) [71] DL/76AUG213

**Knox DL**

DISORDERS OF VISION: VASCULAR, METABOLIC AND ENDOCRINE. PP. 187-200. Knox DL, VASCULAR, METAB, ENDOCRINE. PP. 187-200. *In: Fields WS, ed. Neurological and sensory disorders in the elderly. New York, Stratton, 1975. WL 100 H843n 1974. (Eng) DL/76AUG163*

ADULT; AGED; AMBLYOPIA (etiology); ATHEROSCLEROSIS (complications, diagnosis); CAROTID ARTERY DISEASES (complications, diagnosis); CASE REPORT; DIABETES MELLITUS (complications); DIAGNOSIS, DIFFERENTIAL; EYE MOVEMENTS; FEMALE; HUMAN; MALE; MIDDLE AGE; MONOGRAPH (mortality); NUTRITION DISORDERS (complications); OCULOMOTOR PARALYSIS (diagnosis, etiology); OPTIC DISK (physiopathology); OPTIC NEURITIS (metabolism); THYROID DISEASES (complications, diagnosis); VISION DISORDERS (diagnosis, etiology).

**Koall W**

[ACUTE HEMODIALYSIS IN INTERNAL MEDICINE EMERGENCY THERAPY] Mampel E, Koall W, Ganzert G. *Z Gesamte Inn Med* 30: 175-6 contd, 1 Sep 75 (Ger) DL/76AUG383

**Kobayashi B**

DEPENDENCE OF PLATELET ADENYL CYCLASE SYSTEM ON OXIDATIVE PHOSPHORYLATION. Hashimoto S, Shibata S,

Kobayashi B. *Thromb Diath Haemorrh* 34: 42-9, 30 Sep 75 (Eng) \*DL/76AUG852

**Kobberling J**

[FUNCTION TESTS FOR CARBOHYDRATE METABOLISM IN CLINICAL AND MEDICAL PRACTICE. BASIC PRINCIPLES, TECHNIC AND VALUE] Kattermann R, Kobberling J. *Med Welt* 26: 2293-9, 19 Dec 75 (Ger) DL/76AUG238

**Kochakian CD**

DEFINITION OF ANDROGENS AND PROTEIN ANABOLIC STEROIDS. Kochakian CD. *Pharmacol Ther [B]* 1: 149-77, 1975 (Eng) [442] DL/76AUG324

ADRENAL GLANDS (physiology); ANABOLIC STEROIDS; ANDROGENS (analysis, physiology); ANIMAL EXPERIMENTS (analysis); BODY COMPOSITION (drug effects); BODY WEIGHT; DIABETES MELLITUS (physiopathology); DOGS; ENDOCRINE GLANDS (physiology); FEMALE; GUINEA PIGS; IN VITRO; KIDNEY (drug effects); MALE; MICE; MUSCLES (physiology); NITROGEN (metabolism); NOMENCLATURE; NUTRITION; PITUITARY GLAND (physiology); RATS; RECEPTORS, HORMONE (drug effects); REVIEW; THYROID GLAND (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. .

**Koch-Weser J**

DIAXOXIDE. Koch-Weser J. *N Engl J Med* 294: 1271-3, 3 Jun 76 (Eng) [41] DL/76AUG268

BLOOD PRESSURE (drug effects); CARDIAC OUTPUT (drug effects); DIAXOXIDE (adverse effects, metabolism, pharmacodynamics, therapeutic use); DIURETICS (administration & dosage); DRUG SYNERGISM; EMERGENCIES; FEMALE; HALF-LIFE; HEART RATE (drug effects); HEMODYNAMICS (drug effects); HUMAN; HYPERGLYCEMIA (chemically induced); HYPERTENSION (drug therapy); MALE; PREGNANCY; PROPRANOLOL (therapeutic use); REVIEW; URIC ACID (blood); VASCULAR RESISTANCE.

**Koehler DF**

AN EXAMPLE OF LYOPHILIZED PROTEIN-BASED MATERIALS NOT SIMULATING PATIENT SERA. Steele BW, Koehler DF, Blaszkowski TP, Azar M. *Clin Chem* 21: 1812-4, Nov 75 (Eng) \*DL/76AUG659

**Kogut MD**

PATHOGENESIS, DIAGNOSIS AND TREATMENT OF DIABETIC KETOACIDOSIS. Kogut MD. *Curr Probl Pediatr* 6: 1-35, Feb 76 (Eng) [177] DL/76AUG60

ACIDOSIS, DIABETIC (diagnosis, therapy); ADULT; BICARBONATES (therapeutic use); BLOOD SUGAR; CHILD; GLUCOSE (therapeutic use); HUMAN; HYPOGLYCEMIA (therapy); INSULIN (therapeutic use); KETO ACIDS (blood); POTASSIUM (therapeutic use); REVIEW; WATER-ELECTROLYTE IMBALANCE.

CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH. Costin G, Kogut MD, Phillips LS, Daughaday WH. *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG142

FRUCTOSE-INDUCED HYPERURICEMIA: OBSERVATIONS IN NORMAL CHILDREN AND IN PATIENTS WITH HEREDITARY FRUCTOSE INTOLERANCE AND GALACTOSEMIA. Kogut MD, Roe TF, Ng W, Nonnel GN. *Pediatr Res* 9: 774-8, Oct 75 (Eng) \*DL/76AUG757

ADULT; BLOOD SUGAR (analysis); CARBOHYDRATE METABOLISM, INBORN ERRORS (blood); CHILD; CHILD, PRESCHOOL; COMPARATIVE STUDY; FEMALE; FRUCTOSE INTOLERANCE (blood, familial & genetic); FRUCTOSE (administration &

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**Kokot F**

INSULIN SECRETION IN PATIENTS WITH CHRONIC HEPATITIS TREATED WITH LIPOSTABIL. Kuska J, Kokot F. *Pol Med Sci Hist Bull* 15: 433-8, Jul-Aug 75 (Eng) DL/76AUG305

**Kolb E**

[CALCIUM, MAGNESIUM, PHOSPHORUS, CHLORIDE AND GLUCOSE IN THE BLOOD OF CATTLE FOLLOWING INTRAVENOUS INFUSION OF SOLUTIONS WITH VARIOUS CALCIUM AND MAGNESIUM CONCENTRATION AIMED AT IMPROVING THE TREATMENT OF HYPOMAGNESEMIA] Hadlich M, Kolb E. *Arch Exp Veterinarmed* 29: 379-95, Jun 75 (Ger) \*DL/76AUG904

**Kolbl M**

[EFFECT OF CATECHOLAMINES ON THE METABOLISM OF GLUCOSE, FATTY ACIDS AND ON THE HEART RATE IN GOATS] Bartos S, Dolezel F, Kolbl M. *Vet Med (Praha)* 20: 289-301, May 75 (Cze) \*DL/76AUG591

**Kolebinov NK**

[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH HYPOGLYCEMIA PROVOKED BY INSULIN] Kolebinov NK, Ankov VK, Pavlov DN. *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

ADOLESCENCE; ADRENAL CORTEX (drug effects, secretion); ADRENAL GLANDS (secretion); ADULT; BLOOD SUGAR (analysis); DRUG TOLERANCE; ENGLISH ABSTRACT; FEMALE; HUMAN; HYDROCORTISONE (blood); HYPOGLYCEMIA (chemically induced); INSULIN (diagnostic use, pharmacodynamics); MALE; MIDDLE AGE; TIME FACTORS.

**Koletsky S**

ANIMAL MODEL: OBESE HYPERTENSIVE RAT. Koletsky S. *Am J Pathol* 81: 463-6, Nov 75 (Eng) \*DL/76AUG881

ANIMAL; ATHEROSCLEROSIS (etiology); DISEASE MODELS, ANIMAL; FEMALE; HYPERLIPIDEMIA; HYPERTENSION; MALE; OBESITY; RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

**Komissarova LV**

CATABOLITE REPRESSION IN ESCHERICHIA COLI K12 MUTANTS DEFECTIVE IN GLUCOSE TRANSPORT. Gershanovitch VN, Yourovskaya NV, Komissarova LV, Bolshakova TN, Erlagava RS, Bourd GI. *Mol Gen Genet* 140: 81-90, 15 Sep 75 (Eng) \*DL/76AUG748

**Kones RJ**

REDUCTION IN MYOCARDIAL INFARCT SIZE: PREVENTION OF HEART CELL DEATH. Kones RJ, Phillips JH. *South Med J* 69: 442-8, Apr 76 (Eng) DL/76AUG342

ADRENAL CORTEX HORMONES (therapeutic use); ADRENERGIC BETA RECEPTOR BLOCKADERS (therapeutic use); ASSISTED CIRCULATION; AUTOLYSIS (drug therapy); CARDIAC OUTPUT (drug effects); CORONARY CIRCULATION; ENERGY METABOLISM; ENERGY TRANSFER (drug effects); GLUCOSE (metabolism); HUMAN; HYALURONIDASE (therapeutic use); INSULIN (metabolism); MYOCARDIAL INFARCT (drug therapy, metabolism, pathology); MYOCARDIUM (metabolism, pathology); NECROSIS; OXYGEN CONSUMPTION; PERFUSION; POTASSIUM (metabolism); VASODILATOR AGENTS (therapeutic use).

## Diabetes Literature—Author Index

### Konings AW

#### Konings AW

INITIAL EVENTS IN RADIATION-INDUCED ATHEROMATOSIS I. ACTIVATION OF LYSOSOMAL ENZYMES. Konings AW, Hardonk MJ, Wieringa RA, Lamberts HB *Strahlentherapie* 150: 444-8, Oct 75 (Eng) \*DL/76AUG86

ACID PHOSPHATASE; ANIMAL; ARTERIOSCLEROSIS (etiology); ATHEROMA (etiology); ATHEROSCLEROSIS (etiology); CAROTID ARTERIES (radiation effects, enzymology); DISEASE MODELS, ANIMAL; ENZYME ACTIVATION (radiation effects); FEMALE; GLUCURONIDASE; HISTOCYTOCHEMISTRY; HYPERCHOLESTEREMIA (enzymology); LIPIDS (metabolism); LYSOSOMES (enzymology, radiation effects); MALE; MODELS, BIOLOGICAL; MUCOPOLYSACCHARIDES (radiation effects); RABBITS; RADIATION INJURIES; EXPERIMENTAL (complications); RADIOTHERAPY (adverse effects).

#### Konstantinov YM

THE POSSIBLE ROLE OF PALMITOYL-COA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS. Panov AV, Konstantinov YM, Lyakhovich VV *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

#### Korbl GP

SHORT-TERM MEASUREMENT OF D-XULOSE UPTAKE BY ISOLATED RAT SOLEUS MUSCLE. Sloan IG, Korbl GP, Gould MK *Mol Cell Endocrinol* 4: 223-37, Mar 76 (Eng) DL/76AUG96

#### Kordon C

DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS. Ramirez VD, Gautron JP, Epelbaum J, Pattou E, Zamora A, Kordon C *Mol Cell Endocrinol* 3: 339-50, Nov 75 (Eng) \*DL/76AUG508

#### Korner WF

ASCORBIC ACID AND ATHLETIC PERFORMANCE. Howald H, Segesser B, Korner WF *Ann NY Acad Sci* 258: 458-64, 30 Sep 75 (Eng) \*DL/76AUG613

#### Korsan-Bengtson K

EFFECT OF CLOFIBRATE ON PLASMA PROTEINS INCLUDING COMPONENTS OF THE HEMOSTATIC MECHANISM. Cederblad G, Korsan-Bengtson K *Clin Chim Acta* 66: 9-17, 2 Jan 76 (Eng) DL/76AUG41

#### Korsgaard O

ECTOPIC PITUITARY FUNCTION. Lindholm J, Korsgaard O, Rasmussen P *Acta Med Scand* 198: 299-302, Oct 75 (Eng) \*DL/76AUG878

#### Kosaka K

RADIORECEPTOR ASSAY FOR INSULIN. Suzuki K, Ohsawa N, Kosaka K *J Clin Endocrinol Metab* 42: 399-402, Feb 76 (Eng) DL/76AUG144

#### Kosow DP

PROCEEDINGS: MECHANISM OF COLLAGEN: GLUCOSYLTRANSFERASE AND ITS RELATION TO PLATELET: COLLAGEN ADHESION. Smith DF, Kosow DP, Jamieson GA *Thromb Diath Haemorrh* 34: 334, 30 Sep 75 (Eng) \*DL/76AUG850

#### Kossekova GP

PROTAMINE INHIBITION OF THE OXIDATIVE PHOSPHORYLATION IN INTACT,

CYTOCHROME C-DEPLETED AND RESTORED MITOCHONDRIA. Kossekova GP, Mitovska MI, Dancheva KI *Acta Biol Med Ger* 34: 539-47, 1975 (Eng) \*DL/76AUG870

ADENOSINE DIPHOSPHATE (metabolism); BINDING SITES; CYTOCHROME C (deficiency); MITOCHONDRIA (metabolism); MITOCHONDRIA, LIVER (metabolism); OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN CONSUMPTION; PROTAMINES (pharmacodynamics).

#### Kostos V

THE EFFECT OF 3-MERCAPTOPYCOLINIC ACID ON PHOSPHOENOLPYRUVATE CARBOXYKINASE (GTP) IN THE RAT AND GUINEA PIG. Kostos V, DiTullio NW, Rush J, Cieslinski L, Saunders HL *Arch Biochem Biophys* 171: 459-65, Dec 75 (Eng) \*DL/76AUG614

ADIPOSE TISSUE (enzymology, drug effects); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CYCLOHEXIMIDE (pharmacodynamics); FASTING; GUINEA PIGS; KIDNEY CORTEX (enzymology, drug effects); LIVER (enzymology, drug effects); MALE; MANGANESE (pharmacodynamics); MITOCHONDRIA, LIVER (enzymology, drug effects); ORGAN SPECIFICITY; PHOSPHOENOLPYRUVATE CARBOXYKINASE (metabolism); PICOLINIC ACIDS (pharmacodynamics); RATS; SPECIES SPECIFICITY; SULFHYDRYL COMPOUNDS (pharmacodynamics).

#### Kothary SP

RISE IN PLASMA FREE-NOREPINEPHRINE DURING ANESTHETIC INDUCTION WITH KETAMINE. Szigmond EK, Kelsch RC, Kothary SP *Behav Neuropsychiatry* 6: 81-4, Apr 74-Mar 75 (Eng) \*DL/76AUG909

#### Kotyk A

TRANSPORT OF 4-DEOXY- AND 6-DEOXY-D-GLUCOSE IN BAKERS YEAST. Kotyk A, Michaljanicova D, Veres K, Soukupova V *Folia Microbiol (Praha)* 20: 496-503, 1975 (Eng) \*DL/76AUG515

DEOXY SUGARS (metabolism); DEOXYGLUCOSE (metabolism, chemical synthesis); DINITROPHENOLS (pharmacodynamics); ELECTRON TRANSPORT; FRUCTOSE (metabolism); GLUCOSE (metabolism); HEXOKINASE (metabolism); IODOACETAMIDE (pharmacodynamics); PHILIPPINES; SACCHAROMYCES CEREVISIAE (metabolism, enzymology); TEMPERATURE; URANIUM (pharmacodynamics).

#### Kovacicsek S

EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL.) Sailer R, Katoh E, Drunklee D, Kovacicsek S, Berger M *Munch Med Wochenschr* 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

#### Kovacs K

TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOHYPHYSAL CELLS. PP. 287-98. Horvath E, Kovacs K, Stratmann IE, Ezrin C *Ino Hess M, ed. Electron microscopic concepts of secretion*. New York, Wiley, 1975. WP 101 E38 1973. DL/76AUG165

#### Kovalchuk VM

[RADIOCHEMICAL CHANGES IN POLYMERS USED FOR PACKAGING DRUGS] PP. 159-69. Ivanov AI, Ponomarenko SI, Kovalchuk VM, Semenenko EI, Myshkovskii VI, I USON-Stienon JA, Leclercq G *Ino Radiosterilization of medical products* 1974. Vienna, International Atomic Energy Agency, 1975. W3 SYS26R 1974r. (Rus) DL/76AUG185

#### Kozakova B

[GAMMA GLUTAMYL-TRANSEPTIDASE ACTIVITY AND FREE FATTY ACID LEVEL IN DIABETES (AUTHORS TRANSL.) Stork A, Skachova J, Kozakova B, Fabian E, Fabianova J, Cermak K *Cas Lek Cesk* 115: 384-7, 2 Apr 76 (Cze) DL/76AUG28

#### Kozlov Mla

[ULTRASTRUCTURE OF THE STRIA VASCULARIS OF THE COCHLEA IN ALLOXAN DIABETES] Kozlov Mla, Onegova RF, Petrov VS, Sokoloverova IM *Zh Ushn Nos Gori Bolez* 36-40, Mar-Apr 76 (Rus) DL/76AUG393

ALLOXAN DIABETES (pathology); ANIMAL EXPERIMENTS (analysis); COCHLEA (anatomy, ultrastructure); ENGLISH ABSTRACT; RATS; TIME FACTORS.

#### Kraft W

[DIAGNOSTIC EVALUATION OF VARIOUS BLOOD VALUES IN THE HORSE] Kraft W, Mayer H, Eikmeier H *Tierarztl Prax* 3: 199-204, 1975 (Ger) \*DL/76AUG587

ANIMAL EXPERIMENTS; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); ELECTROLYTES (blood); HORSE DISEASES (blood, enzymology); HORSES (blood); TRACE ELEMENTS (blood).

#### Kral JG

SURGICAL REDUCTION OF ADIPOSE TISSUE HYPERCELLULARITY IN MAN. Kral JG *Scand J Plast Reconstr Surg* 9: 140-3, 1975 (Eng) \*DL/76AUG847

ADIPOSE TISSUE (surgery, cytology, metabolism); ADULT; CELL COUNT; FEMALE; HUMAN; MALE; OBESITY (surgery); SURGERY, PLASTIC (methods); TRIGLYCERIDES (metabolism).

#### Kramer M

[STUDY OF THE METABOLIC EFFECT OF MISCLERON (CLOFIBRATE) IN ANIMAL EXPERIMENTS] Kramer M, Bedo M, Blaskovits A, Gefferth G, Tarjan R *Orv Hetil* 116: 2774-8, 23 Nov 75 (Hun) \*DL/76AUG579

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CHOLESTEROL (blood); CLOFIBRATE (pharmacodynamics, metabolism); LIPIDS (blood); LIVER (drug effects, metabolism); RATS.

#### Kranzl B

THE ROLE OF THE AUTONOMIC NERVOUS SYSTEM IN TRIGEMINAL NEURALGIA. Kranzl B, Kranzl C *J Neural Transm* 38: 77-82, 1976 (Eng) DL/76AUG193

AUTONOMIC NERVOUS SYSTEM (physiopathology); FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; GLYCERIN (blood); HUMAN; PARASYMPATHOLYTICS (therapeutic use); SYMPATHOLYTICS (therapeutic use); TRIGEMINAL NEURALGIA (blood, drug therapy, physiopathology).

#### Kranzl C

THE ROLE OF THE AUTONOMIC NERVOUS SYSTEM IN TRIGEMINAL NEURALGIA. Kranzl B, Kranzl C *J Neural Transm* 38: 77-82, 1976 (Eng) DL/76AUG193

#### Krause EG

EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES. Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschko S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

ADENOSINE 3,5-MONOPHOSPHATE, THE MYOCARDIAL CELL MEMBRANE, AND



## Diabetes Literature—Author Index

Lacko L

CALCIUM. Wollenberger A, Will H, Krause EG, Wollenberger A, Will H, Krause EG *Recent Adv Stud Cardiac Struct Metab* 5: 81-93, 1975 (Eng) [35] \*DL/76AUG836

### Kresse H

**METABOLISM OF SULFATED GLYCOSAMINOGLYCANS IN CULTIVATED BOVINE ARTERIAL CELLS. II. QUANTITATIVE STUDIES ON THE UPTAKE OF 35SO<sub>4</sub>-LABELED PROTEOGLYCANS.** Kresse H, Tekoff W, von Figura K, Buddecke E *Hoppe Seylers Z Physiol Chem* 356: 943-52, Jun 75 (Eng) \*DL/76AUG696

ANIMAL; AORTA, THORACIC (metabolism); BIOLOGICAL TRANSPORT; CATTLE; CELLS, CULTURED; FIBROBLASTS (metabolism); GLYCOSAMINOGLYCANS (metabolism); HUMAN; KINETICS; MUCOPOLYSACCHARIDES (metabolism); PINOCYTOSIS; PROTEOGLYCANS (metabolism); SKIN (metabolism); SULFURIC ACIDS (metabolism).

### Kristoffersen K

**CORRELATION BETWEEN HUMAN CHORIONIC SOMATOMAMMOTROPIN AND PLACENTAL WEIGHT.** Rolschau J, Date J, Kristoffersen K, Pedersen GT, Ulrich M *Acta Obstet Gynecol Scand* 54: 341-6, 1975 (Eng) \*DL/76AUG598

### Kroger H

**[REGULATORY MECHANISMS IN THE CELL]** Kroger H *Fortschr Med* 93: 1703-4, 4 Dec 73 (Ger) \*DL/76AUG516

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); CELLS (metabolism, enzymology); DNA (metabolism); HUMAN; PROTEINS (metabolism); PYROPHOSPHATES (metabolism); RNA (metabolism); RNA, MESSENGER (metabolism).

### Krotkiewski M

**THE EFFECTS OF DEXAMETHASONE AND STARVATION ON BODY COMPOSITION AND REGIONAL ADIPOSE TISSUE CELLULARITY IN THE RAT.** Krotkiewski M, Bjornstorp P *Acta Endocrinol (Kbh)* 80: 667-75, Dec 75 (Eng) \*DL/76AUG871

ADIPOSE TISSUE (drug effects, cytology); ANIMAL; BODY COMPOSITION (drug effects); CELL COUNT; DEPRESSION, CHEMICAL; DEXAMETHASONE (pharmacodynamics); EPIDIDYMIS (drug effects, cytology); MALE; RATS; STARVATION; TIME FACTORS; TRIGLYCERIDES (metabolism).

### Kruh J

**RAT MYOCARDIAL PROTEIN KINASES. I. CYTOSOL.** Gibson K, Tichonicky L, Kruh J *Biochimie* 56: 1409-16, 1974 (Eng) \*DL/76AUG632

### Krustev LP

**NUTRITION EFFECT ON LIVER AND LYSOSOMES. VIII. THE UNDERNUTRIMENT ROLE IN A FOLLOWING SHORT-TERM STARVATION.** Krustev LP, Ibrishimov NI, Popov AA *Acta Histochem (Jena)* 53: 42-57, 1975 (Eng) \*DL/76AUG872

ACID PHOSPHATASE (metabolism); ADENOSINE TRIPHOSPHATASE (metabolism); ALKALINE PHOSPHATASE (metabolism); ANIMAL; BLOOD PROTEINS (metabolism); BLOOD SUGAR (analysis); CELL NUCLEUS (ultrastructure); ENDOPLASMIC RETICULUM (ultrastructure); GLUCURONIDASE (metabolism); LIVER (ultrastructure, enzymology); LYSOSOMES (ultrastructure, enzymology); MALE; MITOCHONDRIA, LIVER (ultrastructure); ORGAN WEIGHT; RATS; STARVATION (pathology, enzymology).

### Kuan JW

**SEMI-SOLID SURFACE FLUOROMETRIC ANALYSIS OF GLUCOSE.** Kiang SW, Kuan JW, Guilbault GG *Clin Chem* 21: 1799-801, Nov 75 (Eng) \*DL/76AUG657

### Kubota S

**LETTER: OLIGOPETIDES AS POTENTIAL ANTIAGGREGATION AGENT FOR PROTEINS: HEMOGLOBIN S GEL AND INSULIN DIMER.** Kubota S, Chang CT, Samejima T, Yang JT *J Am Chem Soc* 98: 2677-8, 28 Apr 76 (Eng) DL/76AUG154

BINDING, COMPETITIVE; ENERGY TRANSFER; GELS; HEMOGLOBINS; INSULIN; OLIGOPETIDES; PROTEIN BINDING; UNITED STATES GOVERNMENT SUPPORTED, N.H. ).

### Kuhnau J Jr

**ULTRASTRUCTURE OF HEMANGIOPERICYTOMA ASSOCIATED WITH PARANEOPLASTIC HYPOGLYCEMIA.** Bommer G, Altenahr E, Kuhnau J Jr, Kloppel G *Z Krebsforsch* 85: 231-41, 19 Mar 76 (Eng) DL/76AUG389

### Kuhns LR

**FAT THICKNESS IN THE NEONATAL SMALL LEFT COLON SYNDROME.** Kuhns LR, Berger PE, Poznanski AK, Holt JF *Am J Roentgenol* 126: 538-41, Mar 76 (Eng) DL/76AUG441

ADIPOSE TISSUE (pathology, radiography); COLONIC DISEASES (pathology, radiography); DIAGNOSIS, DIFFERENTIAL; FEMALE; HUMAN; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (radiography); INFANT, NEWBORN, DISEASES (pathology); MEGACOLON (pathology, radiography); PREGNANCY IN DIABETES (pathology); PREGNANCY.

### Kuksis A

**GLYCEROLIPID BIOSYNTHESIS IN ISOLATED RAT INTESTINAL EPITHELIAL CELLS.** O'Doherty PJ, Kuksis A *Can J Biochem* 53: 1010-9, Sep 75 (Eng) \*DL/76AUG651

### Kulasek G

**THE DEPRESSIONAL INFLUENCE OF AMMONIA ON THE LEVEL OF BLOOD AMINO ACIDS IN WETHERS AND BULLS.** Kulasek G *Zentralbl Veterinärmed [A]* 22: 493-500, Aug 75 (Eng) \*DL/76AUG868

AMINO ACIDS (blood); AMMONIUM CHLORIDE (pharmacodynamics); ANIMAL; BLOOD SUGAR (metabolism); CATTLE (physiology); DEPRESSION, CHEMICAL; MALE; PYRUVATES (blood); SHEEP (physiology); UREA (blood).

### Kult J

**GUIDELINES FOR THE DOSAGE AND APPLICATION OF THE INTRAVENOUS PROVISION OF NUTRIENT SUBSTANCES IN PATIENTS WITH RENAL FAILURE.** PP. 160-6. Kult J, Heidland A *Ino Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143 1974.* (Eng) [10] DL/76AUG156

AMINO ACIDS (therapeutic use); AMINO ACIDS, ESSENTIAL (therapeutic use); BLOOD PROTEINS (metabolism); BLOOD SUGAR (metabolism); BLOOD UREA NITROGEN; DIETARY CARBOHYDRATES (therapeutic use); HEMODIALYSIS (diagnosis); HISTIDINE (therapeutic use); HUMAN; INSULIN (blood); KIDNEY FAILURE, ACUTE (metabolism, therapy); KIDNEY FAILURE, CHRONIC (metabolism, therapy); MONOGRAPH (mortality); PARENTERAL FEEDING; PARENTERAL HYPERALIMENTATION; PROTEINS (biosynthesis); REVIEW; UREMIA (metabolism).

### Kumahara Y

**[PROPRANOLOL-GLUCAGON LOADING TEST]** Okada Y, Watanabe K, Hata T, Kumahara Y *Jpn J Clin Med* 34: 410-3, 10 Feb 76 (Jpn) DL/76AUG211

### Kurtz D

**[HYPEROSMOLAR COMA]** Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 395-404, 26 Mar 76 (Ger) DL/76AUG258

### Kuska J

**INSULIN SECRETION IN PATIENTS WITH CHRONIC HEPATITIS TREATED WITH LIPOSTABIL.** Kuska J, Kokot F *Pol Med Sci Hist Bull* 15: 433-8, Jul-Aug 75 (Eng) DL/76AUG305

ADULT; BLOOD SUGAR (analysis); CHRONIC DISEASE; FEMALE; HEPATITIS (blood, drug therapy, physiopathology); HUMAN; INSULIN (blood, secretion); LECTHINS (therapeutic use); MALE; MIDDLE AGE.

### Kyank HR

**[HORMONAL FUNCTION OF THE PLACENTA]** Dassler CG, Kyank HR *Z Aerzt Fortbild (Jena)* 69: 823-8, 1 Aug 75 (Ger) \*DL/76AUG593

### Labow RS

**THE TRANSFER OF GLUCOSE TO STEROIDS BY CHIMPANZEE LIVER MICROSOMES.** Labow RS, Williamson DG, Layne DS, Collins DC *Can J Biochem* 53: 1028-30, Sep 75 (Eng) \*DL/76AUG652

ANIMAL; CHIMPANZEES; ESTRADIOL (metabolism); ESTRIOL (metabolism); ESTROGENS (metabolism); ESTRONE (metabolism); FEMALE; GALACTOSE (metabolism); GLUCOSE (metabolism); GLUCURONATES (metabolism); MICROSOMES, LIVER (metabolism); URIDINE DIPHOSPHATE GLUCOSE (metabolism).

### Laburthe M

**[HETEROGENEITY OF PROTEIN HORMONES IN RADIOIMMUNOASSAY]** Rosselin G, Bataille D, Laburthe M, Duran-Garcia S *Pathol Biol (Paris)* 23: 793-803, Dec 75 (Fre) DL/76AUG282

### Lacatis D

**PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET).** PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D *Ino Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.* (Eng) [28] DL/76AUG188

### Lacher JW

**TUBULOINTERSTITIAL AND GLOMERULAR NEPHRITIS ASSOCIATED WITH RIFAMPIN. REPORT OF A CASE.** Gabow PA, Lacher JW, Neff TA *JAMA* 235: 2517-8, 7 Jun 76 (Eng) DL/76AUG209

### Lacko L

**INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES.** Lacko L, Wittke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

ALDOSTERONE (pharmacodynamics); ANDROSTANES (pharmacodynamics); ANDROSTENEDIONE (pharmacodynamics); BINDING SITES; BINDING, COMPETITIVE; BIOLOGICAL TRANSPORT, ACTIVE (drug effects); CORTICOSTERONE (pharmacodynamics); CORTISONE (pharmacodynamics); CORTODOXONE (pharmacodynamics); ERYTHROCYTES (metabolism); GLUCOSE (metabolism); HUMAN; HYDROCORTISONE (pharmacodynamics); KINETICS; PREGNENES

## Laing JK

(pharmacodynamics); STRUCTURE-ACTIVITY RELATIONSHIP; TESTOSTERONE (pharmacodynamics); 17-KETOSTEROIDS (pharmacodynamics).

## Laing JK

**OBESITY IN A NEW ZEALAND COMMUNITY.** Benson-Cooper D, Bird D, Laing JK, Hannah EE, Carrell RW, Beaven DW *NZ Med J* 82: 115-9, 27 Aug 75 (Eng) \*DL/76AUG754

## Lal S

**EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN.** Lal S, Tolis G, Martin SB, Brown GM, Guyda H *J Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG18

**ADULT: APOMORPHINE (pharmacodynamics); BLOOD SUGAR (analysis); CLONIDINE (pharmacodynamics); FSH (blood); HUMAN; HYDROCORTISONE (blood); LH (blood); MALE: PITUITARY GLAND, ANTERIOR (secretion); PROLACTIN (blood); SOMATOTROPIN (blood); THYROTROPIN (blood).**

## Lalor BC

**A POSITIVE MONOSPOT TEST IN A DIABETIC WITH SARCOCIDOSIS.** Lalor BC, Feely J, Drury M *Ir J Med Sci* 145: 58-9, Feb 76 (Eng) DL/76AUG126

**ADULT: CASE REPORT; DIABETES MELLITUS (complications); FALSE POSITIVE REACTIONS; HUMAN; INFECTIOUS MONONUCLEOSIS (diagnosis); MALE; SARCOCIDOSIS (complications, diagnosis).**

## Lamberts HB

**INITIAL EVENTS IN RADIATION-INDUCED ATHEROMATOSIS. I. ACTIVATION OF LYSOSOMAL ENZYMES.** Konings AW, Hardonk MJ, Wieringa RA, Lamberts HB *Strahlentherapie* 150: 444-8, Oct 75 (Eng) \*DL/76AUG856

## Lammintausta R

**EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY.** Syvalahti E, Lammintausta R, Pekkarinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418

## Lamos CM

**THE EFFECTS OF ADP ON REVERSE ELECTRON FLOW AND THE OXYGEN EXCHANGE REACTIONS CATALYZED BY BOVINE HEART MUSCLE MITOCHONDRIAL PARTICLES.** Mitchell RA, Russo JA, Lamos CM *J Supramol Struct* 3: 256-60, 1975 (Eng) \*DL/76AUG140

## Lamphiear DE

**DIABETES AMONG MEN IN A GENERAL POPULATION. PREVALENCE AND ASSOCIATED PHYSIOLOGICAL FINDINGS.** Ostrander LD, Lamphiear DE, Block WD *Arch Intern Med* 136: 415-20, Apr 76 (Eng) DL/76AUG456

**CORONARY RISK FACTORS IN A COMMUNITY. FINDINGS IN TECUMSEH, MICHIGAN.** Ostrander LD Jr, Lamphiear DE *Circulation* 53: 152-6, Jan 76 (Eng) \*DL/76AUG478

## Lands WE

**EFFECTIVENESS OF VARIOUS UNSATURATED FATTY ACIDS IN SUPPORTING GROWTH AND RESPIRATION IN SACCHAROMYCES CEREVISIAE.** Walenga RW, Lands WE *J Biol Chem* 250: 9121-9, 10 Dec 75 (Eng) \*DL/76AUG532

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**REQUIREMENTS FOR UNSATURATED FATTY ACIDS FOR THE INDUCTION ON RESPIRATION IN SACCHAROMYCES CEREVISIAE.** Walenga RW, Lands WE *J Biol Chem* 250: 9130-6, 10 Dec 75 (Eng) \*DL/76AUG533

## Lang H

**[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL.)]** Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

## Langworthy HC

**INCREASE IN PLASMA GROWTH HORMONE CONCENTRATION: A NEW EFFECT OF HELIUM BREATHING.** Raymond L, Sode J, Langworthy HC, Blosser J, Johnsonbaugh RE *Undersea Biomed Res* 1: 91-8, Mar 74 (Eng) \*DL/76AUG590

## Lanzara P

**[BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBESE SUBJECTS]** Lanzara P, Marozzi P, Carmina E, Janni A *Pediatr (Napoli)* 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291

**ADOLESCENCE; AGE FACTORS; CHILD; ENGLISH ABSTRACT; GLUCAGON (administration & dosage, pharmacodynamics); HUMAN; INJECTIONS, INTRAMUSCULAR; MALE; OBESITY (blood); SOMATOTROPIN (blood).**

## Laprade R

**THE KINETICS OF CARRIER-MEDIATED ION PERMEATION IN LIPID BILAYERS AND ITS THEORETICAL INTERPRETATION.** Laprade R, Ciani S, Eisenman G, Szabo G *Membranes* 3: 127-214, 1975 (Eng) [24] \*DL/76AUG575

**ANTIBIOTICS; BINDING SITES; ELECTRIC CONDUCTIVITY; GLYCERIDES; KINETICS; LIPIDS; MATHEMATICS; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; NONACTIN (analogs & derivatives); PERMEABILITY; REVIEW; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; VALINOMYCIN.**

## Lara-Vasconcelos M

**[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY]** Gonzalez-Barcena D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

## Lardy HA

**EXPLORING SITES ON MITOCHONDRIAL ATPASE FOR CATALYSIS, REGULATION, AND INHIBITION.** Lardy HA, Schuster SM, Ebel RE *J Supramol Struct* 3: 214-21, 1975 (Eng) \*DL/76AUG738

**ADENOSINE DIPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATASE (metabolism, antagonists & inhibitors); ADENOSINE TRIPHOSPHATE (biosynthesis, pharmacodynamics, metabolism); ADENYL LY IMIDODIPHOSPHATE (pharmacodynamics); ANTIBIOTICS (metabolism); BINDING SITES; BINDING, COMPETITIVE; CATALYSIS; CATTLE; CHROMIUM (pharmacodynamics); GUANINE NUCLEOTIDES (pharmacodynamics); GUANOSINE TRIPHOSPHATE (metabolism); INOSINE NUCLEOTIDES (metabolism); KINETICS; MITOCHONDRIA, LIVER (enzymology); MITOCHONDRIA, MUSCLE**

(enzymology); OXIDATIVE PHOSPHORYLATION (drug effects); RATS.

## Laria PJ

**CHARACTERIZATION OF SOLUBLE AND MICROSOMAL ADENOSINE 3,5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASES FROM RABBIT HEART.** Laria PJ, Zwierling LJ, Morkin E *Recent Adv Stud Cardiac Struct Metab* 5: 133-41, 1975 (Eng) \*DL/76AUG827

**ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics, metabolism); ANIMAL EXPERIMENTS; BINDING SITES; BIOLOGICAL TRANSPORT; CALCIUM (metabolism); CYTOSOL (enzymology); ENZYME ACTIVATION; GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); METALS, ALKALINE EARTH (pharmacodynamics); MICROSOMES (enzymology); MUSCLE PROTEINS (metabolism); MYOCARDIUM (enzymology, ultrastructure); PHILIPPINES; PHOSPHATASES (metabolism); PHOSPHOPROTEINS (metabolism); PROTEIN KINASE (metabolism); RABBITS; SOLUBILITY.**

## Laron Z

**THE PRESENCE OF INSULIN IN AND SOME EFFECTS OF EXOGENOUS INSULIN ON HYMENOPTERA TISSUES AND BODY FLUIDS.** Ishay J, Gitter S, Galun R, Doron M, Laron Z *Comp Biochem Physiol [A]* 54: 203-6, 1976 (Eng) DL/76AUG58

**LETTER: PHENYTOIN IN METASTATIC INSULINOMA.** Aderka D, Shakrai M, Doron M, Laron Z, Pinkhas J, De Vries A *JAMA* 234: 1119, 15 Dec 75 (Eng) \*DL/76AUG733

## Larsen B

**[FLUIDITY OF THE CELL SURFACE]** Larsen B, Barford NM *Ugeskr Laeger* 137: 2633-5, 3 Nov 75 (Dan) \*DL/76AUG857

**CELL MEMBRANE (immunology); CELL TRANSFORMATION, NEOPLASTIC; ENGLISH ABSTRACT; MODELS, BIOLOGICAL.**

## Larsen E

**LIPID METABOLISM IN HUMAN CORONARY ARTERIES.** Bing RJ, Morita T, Hashimoto H, Larsen E *Recent Adv Stud Cardiac Struct Metab* 3: 53-8, 1973 (Eng) \*DL/76AUG803

## Larsen IF

**A FAMILIAL SYNDROME OF PROGRESSIVE CONE DYSTROPHY, DEGENERATIVE LIVER DISEASE, ENDOCRINE DYSFUNCTION AND HEARING DEFECT. I. OPHTHALMOLOGICAL FINDINGS.** Hansen E, Larsen IF, Berg K *Acta Ophthalmol (Kbh)* 54: 129-44, Apr 76 (Eng) DL/76AUG412

## Laszlo FA

**EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS.** Laszlo FA, Durszt F, Varga P, Czako L *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77

**ALLOXAN DIABETES (metabolism); ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (metabolism); BODY WEIGHT; CARBOHYDRATES (metabolism); HYPOPHYSECTOMY; LIVER GLYCOGEN (metabolism); MALE: PITUITARY DISEASES (metabolism); PITUITARY GLAND (metabolism); RATS; WATER-ELECTROLYTE BALANCE.**

**[COMBINED CLOFIBRATE-CHLORPROPAMIDE THERAPY IN DIABETES INSIPIDUS COMPLICATED WITH DIABETES MELLITUS]** Czako L, Laszlo FA, Kahan-Laszlo I *Endokrinologie* 65: 364-74, 1975 (Ger) DL/76AUG82

**Laura R**

**ACTIVE TRANSPORT IN ESCHERICHIA COLI B MEMBRANE VESICLES. DIFFERENTIAL INACTIVATING EFFECTS FROM THE ENZY-MATIC OXIDATION OF BETA-CHLORO-L-ALANINE AND BETA-CHLORO-D-ALANINE.** Kaczorowski G, Shaw L, Laura R, Walsh C *J Biol Chem* 250: 8921-30, 10 Dec 75 (Eng) \*DL/76AUG530

**Layne DS**

**THE TRANSFER OF GLUCOSE TO STEROIDS BY CHIMPANZEE LIVER MICROSOMES.** Labow RS, Williamson DG, Layne DS, Collins DC *Can J Biochem* 53: 1028-30, Sep 75 (Eng) \*DL/76AUG652

**Lazaris Ial**

**[INSULIN CONTENT OF RAT BLOOD FOLLOWING INJURY TO THE VENTROMEDIAL SECTION OF THE HYPOTHALAMUS]** Goldberg RS, Kasatkin IuN, Lazaris Ial, Smirnova LK *Bull Eksp Biol Med* 79: 40-3, Jun 75 (Rus) DL/76AUG9

**Le Marchand Y**

**DOES HYPERINSULINEMIA IN OB/OB MICE CAUSE AN INSULIN-STIMULATED ADIPOSE TISSUE** Loten EG, Le Marchand Y, Assimacopoulos-Jeannet F, Denton RM, Jeanraud B *Am J Physiol* 230: 602-7, Mar 76 (Eng) \*DL/76AUG437

**Le Neel JC**

**[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL)]** Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

**Lear H**

**THE ASSESSMENT OF NOCTURNAL REM ERECTION IN THE DIFFERENTIAL DIAGNOSIS OF SEXUAL IMPOTENCE.** Fisher C, Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL/76AUG203

**Leatherman NE**

**A DESIGN IMPROVEMENT IN CONTINUOUS BLOOD SAMPLING AND ANALYSIS FOR GLUCOSE IN REST AND EXERCISE.** Zrankoff SP, Leatherman NE, Robinson S *J Appl Physiol* 39: 873-4, Nov 75 (Eng) \*DL/76AUG710

**Leborgne J**

**[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL)]** Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

**ADULT; CASE REPORT; COMA (etiology); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPOGLYCEMIA (etiology); INSULIN (secretion); ISLANDS OF LANGERHANS (secretion); ISLET CELL TUMOR (secretion, surgery); MALE; MIDDLE AGE; NEOPLASTIC ENDOCRINE-LIKE SYNDROMES; PANCREATIC NEOPLASMS (secretion, surgery).**

**Leclercq G**

**STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE.** PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G *Inf Namer M, Lalanne CM, ed. Hormones and breast cancer.* Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184

**Lecomte J**

**[INFLUENCE OF MUSCULAR EXERCISE ON BLOOD CATECHOLAMINE LEVELS IN**

**RATS]** Rodigas P, Cession-Fossion A, Lecomte J *C R Soc Biol (Paris)* 169: 257-61, 1975 (Fre) \*DL/76AUG649

**Lederer J**

**[PROCEEDINGS: EFFECT OF OESTROGENS AND DIET ON LIPIDS IN THE PLASMA OF CASTRATED RATS OF BOTH SEXES (AUTHORS TRANSL)]** Pottier C, Lederer J *Ann Endocrinol (Paris)* 36: 115-6, Mar-Apr 75 (Fre) \*DL/76AUG893

**Lee SL**

**ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART.** Dhalla NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Cardiac Struct Metab* 5: 177-87, 1975 (Eng) \*DL/76AUG831

**Leeds A**

**LETTER: METABOLIC EFFECTS OF BRAN.** Leeds A, Gassull MA, Jenkins DJ, Alberti KG *Br Med J* 1: 900-1, 10 Apr 76 (Eng) DL/76AUG22

**BLOOD SUGAR; DIETARY CARBOHYDRATES (metabolism); HUMAN; INSULIN (blood); INTESTINAL ABSORPTION; WHEAT.**

**Leeds AR**

**LETTER: FOOD: INFLUENCE OF FORM ON ABSORPTION.** Leeds AR, Gassull MA, Metz GL, Jenkins DJ *Lancet* 2: 1213, 13 Dec 75 (Eng) \*DL/76AUG570

**BLOOD SUGAR (analysis); DIETARY CARBOHYDRATES (metabolism); ENERGY METABOLISM; FOOD HABITS; FOOD; INTESTINAL ABSORPTION; OBESITY (etiology); PERISTALSIS; TIME FACTORS.**

**Leeson TS**

**MASKING OF PLEOMORPHIC GLYCOGEN SITES BY METHANOLIC URANYL ACETATE.** Bhatnagar R, Leeson TS *Stain Technol* 50: 213-7, Jul 75 (Eng) \*DL/76AUG853

**Lefebvre PJ**

**LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS.** Daubresse JC, Lerson G, Planteux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

**Legrele C**

**[IMMUNO-REACTIVE INSULIN-LIKE SUBSTANCES IN THE RAT]** Felix JM, Sutter-Dub MT, Legrele C, Billaudel B, Sutter BC, Jacquot R *Pathol Biol (Paris)* 23: 841-8, Dec 75 (Fre) DL/76AUG283

**Legros JJ**

**[ABSENCE OF SOMATOSTATIN EFFECT ON NEUROHYPOPHYSEAL FUNCTION IN MAN]** Legros JJ, Brison J, Franchimont P *C R Soc Biol (Paris)* 168: 1442-5, 1974 (Fre) \*DL/76AUG647

**ACROMEGALY (drug therapy); ENGLISH ABSTRACT; HUMAN; NEUROPHYSINS (blood); PITUITARY GLAND, POSTERIOR (drug effects, secretion); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); SOMATOTROPIN RELEASING HORMONE (blood).**

**Legros N**

**STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE.** PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G *Inf Namer M, Lalanne CM, ed. Hormones and breast cancer.* Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184

**Leiderman B**

**EFFECT OF FSH AND LH ON THE GLYCOGEN CONCENTRATION IN TESTIS OF INTACT AND HYPOPHYSECTOMIZED RATS.** Leiderman B, Mancini RE *Acta Physiol Lat Am* 24: 305-11, 1974 (Eng) \*DL/76AUG875

**ANIMAL; FSH (pharmacodynamics); GLYCOGEN (metabolism, biosynthesis); HYPOPHYSECTOMY; LH (pharmacodynamics); MALE; RATS; STIMULATION, CHEMICAL; TESTIS (metabolism).**

**Lendrum R**

**ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS.** Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

**ADOLESCENCE; AGED; AUTOANTIBODIES (analysis); CHILD; DIABETES MELLITUS (immunology); DIABETES MELLITUS, JUVENILE (immunology); DISEASES IN TWINS; FEMALE; HL-A (analysis); HUMAN; ISLANDS OF LANGERHANS (immunology); MALE; MIDDLE AGE; STOMACH (immunology); THYROID GLAND (immunology); TIME FACTORS; TWINS, MONOZYGOTIC.**

**Lenne Y**

**[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL)]** Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

**Lenzen S**

**INHIBITION OF INSULIN RELEASE BY CYPROHEPTADINE: EFFECTS ON 3,5-CYCLOCAMP-CONTENT AND 45CA-ACCUMULATION OF INCUBATED MOUSE ISLETS.** Joost HG, Beckmann J, Lenzen S, Haselblatt A *Acta Endocrinol (Kbh)* 82: 121-6, May 76 (Eng) DL/76AUG407

**Lerner RL**

**RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS.** Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensick JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

**Lernmark A**

**THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES.** Hellman B, Idahl LA, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

**Lerson G**

**LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS.** Daubresse JC, Lerson G, Planteux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

**Leshner AI**

**THEORETICAL REVIEW: A MODEL OF HORMONES AND AGONISTIC BEHAVIOR.** Leshner AI *Physiol Behav* 15: 225-35, Aug 75 (Eng) \*DL/76AUG785

**ADRENAL GLANDS (physiology); AGGRESSION (physiology, physiology); AGONISTIC BEHAVIOR (physiology); DOMINANCE-SUBORDINATION; FEEDBACK; GONADOTROPINS (physiology); HORMONES (physiology); MODELS, PSYCHOLOGICAL; PITUITARY HORMONES (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**

## Lestrade H

### Lestrade H

[BLOOD INSULIN LEVELS DURING ORAL GLUCOSE TOLERANCE TESTS IN THE OBSE CHILD. INFLUENCE OF AGE, SEX, DEGREE AND DURATION OF OBESITY] Deschamps I, Giron BJ, Lestrade H *Arch Fr Pediatr* 32: 247-57, Mar 75 (Fre) DL/76AUG459

### Letko G

FURTHER CHARACTERIZATION OF THE ASSOCIATION OF GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE WITH RETICULOCYTE MEMBRANES. Letko G, Bohnsack R *Acta Biol Med Ger* 34: 1145-51, 1975 (Eng) \*DL/76AUG596

ANIMAL EXPERIMENTS; BINDING SITES; BLOOD; CELL MEMBRANE (enzymology); GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (blood); HEMOLYSIS; PHILIPPINES; RABBITS; RETICULOCYTES (enzymology).

### Leutenegger A

ADVANTAGES AND DISADVANTAGES OF PARENTERAL HYPERALIMENTATION. PP. 130-6. Goschke H, Leutenegger A *Int Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [21] DL/76AUG155*

### Leveille GA

FACTORS INFLUENCING ADIPOSE TISSUE RESPONSE TO FOOD CARBOHYDRATES. PP. 46-53. Romsos DR, Leveille GA *Int Jeeves A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [21] DL/76AUG172*

BUTANEDIOL AND LIPID METABOLISM. Romsos DR, Belo PS, Leveille GA *Fed Proc* 34: 2186-90, Nov 75 (Eng) \*DL/76AUG683

EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS. Waterman RA, Romsos DR, Tsai AC, Miller ER, Leveille GA *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779

### Levin RM

THE ROLES OF ENERGY SOURCES AND IONS IN THE REGULATION OF CARDIAC FUNCTION. Haugaard N, Levin RM, Haugaard ES *Recent Adv Stud Cardiac Struct Metab* 3: 223-32, 1973 (Eng) \*DL/76AUG792

### Levin S

STUDY OF GROWTH HORMONE SECRETION IN LUNG CARCINOMA. Clacys-De Clercq P, Levin S, Borkowski A *Eur J Cancer* 11: 565-9, Aug 75 (Eng) DL/76AUG85

### Levine RA

THE ROLE OF CYCLIC AMP AND PROTAGLANDINS IN HEPATIC AND GASTROINTESTINAL FUNCTIONS. PP. 75-117. Levine RA *Int Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 5991p 1972. (Eng) [95] DL/76AUG180*

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (antagonists & inhibitors, physiology); ADENYL CYCLASE (physiology); ANIMAL EXPERIMENTS (analysis); BILE (secretion); CALCIUM (physiology); CHOLERA (physiopathology); DIARRHEA (physiopathology); DIBUTYRYL CYCLIC AMP (metabolism); GASTRIC JUICE (secretion); GASTROINTESTINAL SYSTEM (physiology); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (physiology); HUMAN; IN VITRO; INSULIN (physiology); LIVER (physiology);

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MONOGRAPH (mortality); PANCREAS (secretion); PROTAGLANDINS E (pharmacodynamics); PROTAGLANDINS (physiology); RECEPTORS, ADRENERGIC; REVIEW.

### Levinson GE

CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS. Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357

### Levitt DG

A DISTRIBUTED PORE SIZE MODEL FOR CAPILLARIES. Johnson JA, Levitt DG, Wangenstein OD, Bloom G *Microvasc Res* 10: 217-9, Sep 75 (Eng) \*DL/76AUG747

### Levy J

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaisse WJ *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

ANIMAL EXPERIMENTS (analysis); DIBUTYRYL CYCLIC AMP (pharmacodynamics); FASTING; FEMALE; GLUCOSE (metabolism, pharmacodynamics); GLYCERALDEHYDE (pharmacodynamics); GLYCOLYSIS; HEXOSES (metabolism); HYDROXYBUTYRATES (pharmacodynamics); INSULIN (secretion); ISLANDS OF LANGERHANS (metabolism); LEUCINE (pharmacodynamics); MODELS, BIOLOGICAL; PANCREAS (metabolism); RATS; SULFONYLUREA COMPOUNDS (pharmacodynamics); THEOPHYLLINE (pharmacodynamics).

### Levy JB

[INDICATIONS AND RESULTS OF SURGICAL TREATMENT OF DIABETIC ARTERIOPATHY (APPROPOS OF 196 CASES)] Levy JB, Rettori R, Olivier C *J Chir (Paris)* 110: 547-50, Dec 75 (Fre) DL/76AUG138

AMPUTATION; DIABETIC ANGIOPATHIES (surgery); HUMAN; LEG (blood supply, surgery); METHODS.

### Lewis BA

PHYSIOLOGICAL EFFECTS OF MANNANS, GALACTOMANNANS, AND GLUCOMANNANS. PP. 296-311. Davis SE, Lewis BA *Int Jeeves A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [103] DL/76AUG175*

### Lewis EJ

THE DIABETIC KIDNEY. Merkel FK, Straus AK, Armbruster KF, Lewis EJ *Compr Ther* 1: 40-8, May 75 (Eng) DL/76AUG56

### Leybold K

[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL.)] Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

### Lidgard GP

D-GLUCOSE PERMEABILITY OF BLACK LIPID MEMBRANES MODIFIED BY HUMAN ERYTHROCYTE MEMBRANE FRACTIONS. Lidgard GP, Jones MN *J Membr Biol* 21: 1-10, 23 Apr 75 (Eng) \*DL/76AUG556

BIOLOGICAL TRANSPORT, ACTIVE; CATTLE, CELL MEMBRANE; CHOLESTEROL; ELECTRIC CONDUCTIVITY; ERYTHROCYTES (metabolism); GLUCOSE;

HUMAN; KINETICS; LECTITHINS; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; PERMEABILITY.

### Liebhart M

ULTRASTRUCTURE OF THE CAPILLARIES OF THE REPRODUCTIVE SYSTEM IN FEMALE RABBITS WITH ALLOXAN DIABETES. Liebhart M, Szaborski J *Pol Med Sci Hist Bull* 15: 133-7, Mar-Apr 75 (Eng) DL/76AUG304

ALLOXAN DIABETES (pathology); ANIMAL EXPERIMENTS (analysis); CAPILLARIES (ultrastructure); CERVIX UTERI (ultrastructure); FALLOPIAN TUBES (ultrastructure); FEMALE; GENITALIA, FEMALE (ultrastructure); OVARY (ultrastructure); RABBITS; UTERUS (ultrastructure).

### Liedke MD

[ADAPTATION OF RATS FOLLOWING SODIUM-NITRITE-INDUCED METHEMOGLOBINEMIA] Pankow D, Ponsold W, Liedke MD, Gessner G, Pförde A *Acta Biol Med Ger* 34: 1205-9, 1975 (Ger) \*DL/76AUG597

### Lignon F

[COOPERATIVE BINDING OF TOLBUTAMIDE BY ISOLATED RAT ISLETS OF LANGERHANS] Alric R, Manteghetti M, Puech R, Lignon F, Loubatieres A *C R Acad Sci [D] (Paris)* 281: 2029-32, 22 Dec 75 (Fre) DL/76AUG38

### Lim RC

THE EFFECT OF GLUCAGON ON TOTAL LIVER BLOOD FLOW AFTER OCCLUSION OF THE HEPATIC ARTERY. A STUDY IN ANESTHETIZED, NORMOTENSIVE DOGS. Darle N, Lim RC, Lindberg B *Acta Chir Scand* 142: 43-6, 1976 (Eng) DL/76AUG397

### Lin CY

EFFECT OF DIBUTYRYL CYCLIC AMP ON MYOCARDIAL PERFORMANCE IN VIVO. Cutilletta AF, Lin CY, Thilenius OG, Arcilla RA *Recent Adv Stud Cardiac Struct Metab* 3: 251-9, 1973 (Eng) \*DL/76AUG794

### Lindberg B

THE EFFECT OF GLUCAGON ON TOTAL LIVER BLOOD FLOW AFTER OCCLUSION OF THE HEPATIC ARTERY. A STUDY IN ANESTHETIZED, NORMOTENSIVE DOGS. Darle N, Lim RC, Lindberg B *Acta Chir Scand* 142: 43-6, 1976 (Eng) DL/76AUG397

### Lindberg O

STUDIES ON NOREPINEPHRINE-INDUCED EFFLUX OF FREE FATTY ACID FROM HAMSTER BROWN-ADIPOSE-TISSUE CELLS. Bieher LL, Pettersson B, Lindberg O *Eur J Biochem* 58: 375-81, 15 Oct 75 (Eng) \*DL/76AUG677

### Lindholm J

ECTOPIC PITUITARY FUNCTION. Lindholm J, Korsgaard O, Rasmussen P *Acta Med Scand* 198: 299-302, Oct 75 (Eng) \*DL/76AUG878

ACROMEGALY (therapy, metabolism); BLOOD SUGAR (metabolism); CASE REPORT; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; HYPOPHYSECTOMY; MALE; MIDDLE AGE; PITUITARY GLAND (metabolism); SOMATOTROPIN (blood).

### Lindquist NG

UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 125I-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjalve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226



# Diabetes Literature—Author Index

Lusicky B

## Lindsey JR

ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PBB/LD MOUSE. Hunt CE, Lindsey JR, Walkley SU *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93

## Linn LC

EFFECTS OF OLEIC ACID INFUSION ON PLASMA FREE FATTY ACIDS AND BLOOD KETONE BODIES IN THE FASTING RAT. Bates MW, Linn LC, Huen AH *Metabolism* 25: 361-73, Apr 76 (Eng) DL/76AUG240

## Lippe BM

THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR. Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM *Am J Clin Pathol* 65: 462-6, Apr 76 (Eng) DL/76AUG429

## Lisi P

SKIN AND DIABETES. I. INCIDENCE OF DIABETES IN A SAMPLE OF HEALTHY SUBJECTS. Binazzi M, Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 197-206, Sep-Dec 74 (Eng) DL/76AUG127

SKIN AND DIABETES. II. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH HERPES ZOSTER. Calandra P, Lisi P *Ital Gen Rev Dermatol* 11: 207-13, Sep-Dec 74 (Eng) DL/76AUG128

SKIN AND DIABETES. III. INCIDENCE OF DIABETES IN A GROUP OF PATIENTS WITH SKIN DISORDERS CAUSED BY VENOUS AND/OR LYMPHATIC DISEASES OF THE LEG. Lisi P, Calandra P *Ital Gen Rev Dermatol* 11: 215-20, Sep-Dec 74 (Eng) DL/76AUG129

ADULT; AGED; DIABETES MELLITUS (complications, familial & genetic, occurrence); FEMALE; HUMAN; LEG; LYMPHATIC DISEASES (complications); MALE; MIDDLE AGE; OBESITY IN DIABETES (complications); SKIN DISEASES (complications, etiology); VASCULAR DISEASES (complications).

## Lithner F

LESIONS OF THE LEGS IN DIABETICS AND IN PATIENTS WITH FAMILIAL AMYLOIDOSIS AND POLYNEUROPATHY. Lithner F *Acta Med Scand [Suppl]* 1-23, 1976 (Eng) DL/76AUG421

ALLOXAN DIABETES (complications); AMYLOIDOSIS (complications, familial & genetic); ANIMAL EXPERIMENTS (analysis); DIABETES MELLITUS (complications); ERYTHEMA (etiology); FOOT DEFORMITIES, ACQUIRED (etiology); GANGRENE (etiology); HUMAN; LEG DERMATOSES (etiology); LEG ULCER (etiology); MICE; NECROSIS; PIGMENTATION DISORDERS (etiology); POLYNEURITIS (complications); PURPURA (etiology).

## Lo CS

SUGAR TRANSPORT BY INTESTINE. ESCAPE OF GALACTOSE FROM PRELOADED MUCOSA OF HAMSTER JEJUNUM. Baker RD, Lo CS, Nunn AS *Biochim Biophys Acta* 401: 429-39, 2 Sep 75 (Eng) \*DL/76AUG625

## Lob G

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prohs H, Messmer K, Bucklein R, Lob G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

## Locketz A

IMMEDIATE FUNDUS COMPLICATIONS AFTER RETINAL SCATTER PHOTOCOAGULATION. I. CLINICAL PICTURE AND PATHOGENESIS. Huamonte FU, Peyman GA,

Goldberg MF, Locketz A *Ophthalmic Surg* 7: 88-99, Spring 76 (Eng) DL/76AUG280

## Loftfield S

A REDUCTION IN ENERGY-DEPENDENT AMINO ACID TRANSPORT BY MICROTUBULAR INHIBITORS IN EHRICH ASCITES TUMOR CELLS. Fyfe MJ, Loftfield S, Goldman ID *J Cell Physiol* 86: 201-11, Oct 75 (Eng) \*DL/76AUG537

## Logachev AP

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. I. ISOLATION AND GENERAL CHARACTERISTICS. Fedotov NS, Panchenko LF, Logachev AP, Bekkouzhin AG, Tarshis MA *Folia Microbiol (Praha)* 20: 470-9, 1975 (Eng) \*DL/76AUG512

## Logie AW

HAZARDS OF MONOCOMPONENT INSULINS. Logie AW, Stowers JM *Br Med J* 1: 879-80, 10 Apr 76 (Eng) DL/76AUG20

ADOLESCENCE; BLOOD SUGAR; CASE REPORT; DIABETES MELLITUS (drug therapy); DOSE-RESPONSE RELATIONSHIP, DRUG; HUMAN; INSULIN RESISTANCE; INSULIN (administration & dosage); MALE.

## Londono JH

GROWTH HORMONE LEVELS DURING MORNING AND AFTERNOON NAPS. Karacan I, Rosenbloom AL, Londono JH, Williams RL, Salis PJ *Behav Neuropsychiatry* 6: 67-70, Apr 74-Mar 75 (Eng) \*DL/76AUG908

## Lopez R

PROTECTIVE EFFECT OF STEROIDS ON LIVER ISCHEMIA. Santiago Delpin EA, Figueroa I, Lopez R, Vazquez J *Am Surg* 41: 683-5, Nov 75 (Eng) \*DL/76AUG889

## Lorenz LM

GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERMFREE RATS. Sewell DL, Bruckner-Kardoss E, Lorenz LM, Wostmann BS *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322

## Loria RM

SUSCEPTIBILITY OF MICE TO GROUP B COXSACKIE VIRUS IS INFLUENCED BY THE DIABETIC GENE. Webb SR, Loria RM, Madge GE, Kibrick S *J Exp Med* 143: 1239-48, 1 May 76 (Eng) DL/76AUG191

## Lorusso M

CHARGE SEPARATION AND ENERGY TRANSFER IN THE MITOCHONDRIAL MEMBRANE. Papa S, Guerrieri F, Lorusso M *Biophys J* 15: 963-7, Sep 75 (Eng) \*DL/76AUG638

## Lostia O

RESULTS OF A COMPARATIVE STUDY ON INSULIN RADIOIMMUNOASSAY IN 36 ITALIAN LABORATORIES. Costantini A, Lostia O, Malvano R, Rollieri E, Taggi F, Zucchelli GC *Pathol Biol (Paris)* 23: 873-83, Dec 75 (Eng) DL/76AUG285

## Loten EG

DOES HYPERINSULINEMIA IN OB/OB MICE CAUSE AN INSULIN-STIMULATED ADIPOSE TISSUE. Loten EG, Le Marchand Y, Assimacopoulos-Jeanet F, Denton RM, Jeanrenaud B *Am J Physiol* 230: 602-7, Mar 76 (Eng) DL/76AUG437

ACETYL COA CARBOXYLASE (metabolism); ADIPOSE TISSUE (enzymology); ANIMAL EXPERIMENTS (analysis); ATP CITRATE LYASE (metabolism); FATTY ACID SYNTHETASE COMPLEX (metabolism); GLUCOSE (metabolism); GLUTAMATE

DEHYDROGENASE (metabolism); HYPERINSULINISM (metabolism); IN VITRO; INSULIN ANTIBODIES; MICE; MICE, OBESE (metabolism); PYRUVATE DEHYDROGENASE COMPLEX (metabolism); STREPTOZOTOCIN (pharmacodynamics).

## Loubatieres A

[COOPERATIVE BINDING OF TOLBUTAMIDE BY ISOLATED RAT ISLETS OF LANGERHANS] Alric R, Manteghetti M, Puech R, Lignon F, Loubatieres A *C R Acad Sci [D] (Paris)* 281: 2029-32, 22 Dec 75 (Fre) DL/76AUG38

## Louis SL

LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE. Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

## Lucke C

[SOMATOSTATIN - A REVIEW (AUTHORS TRANS)] Lucke C, Mitzkat HJ, von zur Muhlen A *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217

ACROMEGALY (drug therapy); ANIMAL EXPERIMENTS (analysis); ENGLISH ABSTRACT; EXOCRINE GLANDS (secretion); GASTRIN (secretion); GASTROINTESTINAL SYSTEM (analysis); GLUCAGON (secretion); HUMAN; HYPOTHALAMO-HYPOPHYSAL SYSTEM (analysis); INSULIN (secretion); PITUITARY HORMONES, ANTERIOR (secretion); PLATELET ADHESIVENESS (drug effects); SOMATOTROPIN RELEASE INHIBITING HORMONE (analysis); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics, physiology); SOMATOTROPIN (secretion); THYROTROPIN (secretion).

## Luft R

[SOMATOSTATIN AND SOMATOMEDINS-NEW HORMONES WITH CONNECTION TO DIABETES RESEARCH AND FUTURE DIABETES THERAPY] Efendic S, Hall K, Hokfelt T, Luft R *Lakartidningen* 13: 1198-202, 24 Mar 76 (Swe) DL/76AUG227

RADIOIMMUNOASSAY OF SOMATOMEDIN B. Yalow RS, Hall K, Luft R *Adv Metab Disord* 8: 73-83, 1975 (Eng) \*DL/76AUG603

## Lundgren G

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellstrom G, Lundgren G, Westman J, Ostman JJ *Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

## Lundquist I

DIRECT CALCIUM-STIMULATED RELEASE OF GLUCAGON FROM THE ISOLATION PERFUSED RAT PANCREAS AND THE EFFECT OF CHEMICAL SYMPLECTOMY. Lundquist I, Fanska R, Grodsky GM *Endocrinology* 98: 815-8, Mar 76 (Eng) DL/76AUG72

ANIMAL EXPERIMENTS (analysis); ARGININE (pharmacodynamics); CALCIUM (pharmacodynamics); GLUCAGON (secretion); NEURONS (drug effects); PANCREAS (drug effects, innervation, secretion); PERFUSION; RATS; SEROTONIN (pharmacodynamics); STIMULATION, CHEMICAL; SYMPATHETIC NERVOUS SYSTEM (drug effects); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

## Lusicky B

[CUTANEOUS CHANGES IN DIABETES MELLITUS WITH SPECIAL REFERENCE TO BUL-

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## Lust WD

LOSIS IDIOPATHICA] Cubela V, Lusicky B, Ivankovic E *Dermatol Monatsschr* 161: 217-9, Mar 75 (Ger) DL/76AUG95

## Lust WD

GLYCOLYTIC METABOLISM IN CULTURED CELLS OF THE NERVOUS SYSTEM. I. GLUCOSE TRANSPORT AND METABOLISM IN THE C-6 GLIOMA CELL LINE. Lust WD, Schwartz JP, Passonneau JV *Mol Cell Biochem* 8: 169-76, 30 Sep 75 (Eng) \*DL/76AUG749

ACETONE (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE; CELL LINE; FLUOROACETATES (pharmacodynamics); GLIOMA (metabolism); GLUCOSE (metabolism); GLYCOLYSIS (drug effects); IODOACETATES (pharmacodynamics); KINETICS; LACTATES (metabolism); PHENOBARBITAL (pharmacodynamics); PHILIPPINES; PYRUVATES (metabolism); VALINOMYCIN (pharmacodynamics).

THE MEASUREMENT OF GLYCOGEN IN TISSUES BY AMYLO-ALPHA-1,4-ALPHA-1,6-GLUCOSIDASE AFTER THE DESTRUCTION OF PREEXISTING GLUCOSE. Lust WD, Passonneau JV, Crites SK *Anal Biochem* 68: 328-31, Sep 75 (Eng) \*DL/76AUG884

AMYLASE; ASTROCYTOMA (metabolism, analysis); CELLS, CULTURED; GLUCOSE; GLYCOGEN (analysis, metabolism); METHODS; PHENOBARBITAL (pharmacodynamics); SODIUM HYDROXIDE.

## Luyckx AS

LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS. Daubresse JC, Lerson G, Planteux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

## Luyckx AS

THE POSSIBLE ROLE OF PALMITOYL-COA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS. Panov AV, Konstantinov YM, Luyckx AS *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

## Lyhs L

[GLUCOSE CONCENTRATION IN BLOOD DURING EXERTION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCISE IN VARIOUS BREEDS OF SWINE] Bungler U, Steinhardt M, Riehm G, Gohler H, Bungler B, Lyhs L *Arch Exp Veterinaarmed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

[EVALUATION OF THE ABILITY TO REGULATE BLOOD VOLUME UNDER STANDARDIZED MOTORIC STRESS] Bungler U, Steinhardt M, Lyhs L *Arch Exp Veterinaarmed* 29: 265-79, 1975 (Ger) \*DL/76AUG618

[EFFECT OF ANEMIA ON VARIOUS REACTIONS OF THE DOMESTIC SWINE DUE TO PHYSICAL EXERCITION. 3. CHANGES IN PLASMA GLUCOSE AND LACTIC ACID CONCENTRATIONS] Bungler U, Steinhardt M, Riehm G, Lyhs L *Arch Exp Veterinaarmed* 29: 581-93, 1975 (Ger) \*DL/76AUG905

[EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERCITION. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE] Bungler U, Steinhardt M, Riehm G, Bungler B, Lyhs L *Arch Exp Veterinaarmed* 29: 631-40, 1975 (Ger) \*DL/76AUG906

## Lynch TJ

BREVIBACTERIUM LIQUEFACIENS ADENYLATE CYCLASE AND ITS IN VIVO STIMULATION BY PYRUVATE. Lynch TJ, Tallant EA, Cheung WY *J Bacteriol* 124: 1106-12, Dec 75 (Eng) \*DL/76AUG524

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis); ADENOSINE (metabolism); ADENYL CYCLASE (metabolism); ALANINE (metabolism); BREVIBACTERIUM (enzymology, metabolism, growth & development); CELL MEMBRANE (enzymology); GLUCOSE (metabolism); PHOSPHODIESTERASES (metabolism); PYRUVATES (pharmacodynamics); STEREOISOMERS; STIMULATION, CHEMICAL; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

## Lyonnais J

[INFLUENCE OF HYPOPHOSPHATEMIA ON ERYTHROCYTE METABOLISM IN DIABETIC KETO-ACIDOSIS] Lyonnais J, Card RT, Brain MC *Union Med Can* 104: 560-4, Apr 75 (Fre) DL/76AUG354

ACIDOSIS, DIABETIC (metabolism); ADOLESCENCE; ADULT; AGED; ENGLISH ABSTRACT; ERYTHROCYTES (metabolism); FEMALE; HUMAN; KETOSIS, DIABETIC (metabolism); MALE; MIDDLE AGE; PHOSPHATES (blood).

## Lyons MM

CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS. Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357

## Ma L

LIPID ACCUMULATION IN A HEPATOCELLULAR CARCINOMA ASSOCIATED WITH HYPOGLYCAEMIA. Chan WC, Ma L *Pathology* 7: 299-305, Oct 75 (Eng) DL/76AUG287

## Mac Donald MJ

LOWER FREQUENCY OF DIABETES AMONG HOSPITALIZED NEGRO THAN WHITE CHILDREN: THEORETICAL IMPLICATIONS. Mac Donald MJ *Acta Genet Med Gemellol (Roma)* 24: 119-26, 1975 (Eng) DL/76AUG410

ADOLESCENCE; CAUCASIAN RACE; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (diagnosis, occurrence); FEMALE; HUMAN; INFANT; MALE; NEGROID RACE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

## Macabies J

[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL] Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

## Macchi IA

HYALURONIDASE-INDUCED INHIBITION OF THE INSULINOTROPIC ACTION OF SULFONYLUREAS, LEUCINE, AND GLUCAGON IN RODENT ISOLATED PANCREATIC ISLETS. Macchi IA, Zeytinoglu FN *Horm Metab Res* 8: 92-6, Mar 76 (Eng) DL/76AUG115

ANIMAL EXPERIMENTS (analysis); CHLORPROPAMIDE (pharmacodynamics); CLOSTRIDIOPETIDASE A (pharmacodynamics); FEMALE; GLIBENCLAMIDE (pharmacodynamics); GLUCAGON (pharmacodynamics); GLUCOSE (pharmacodynamics); HAMSTERS; HYALURONIDASE (pharmacodynamics); INSULIN (metabolism); ISLANDS OF

LANGERHANS (drug effects, metabolism); LEUCINE (pharmacodynamics); MICE; RATS; SPECIES SPECIFICITY; SULFONYLUREA COMPOUNDS (pharmacodynamics); TOLBUTAMIDE (pharmacodynamics).

## Macdonald I

A COMPARISON OF THE EFFECTS OF AN ORAL FRUCTOSE LOAD IN HYPERTRIGLYCERIDAEMIC AND NORMOLIPIDAEMIC MEN. MacRae AR, Macdonald I *Proc Nutr Soc* 34: 54a-55a, Sep 75 (Eng) \*DL/76AUG767

SOME EFFECTS OF AN ORAL CONTRACEPTIVE ON DIETARY CARBOHYDRATE-LIPID INTERRELATIONS IN THE BABOON. Stovin V, Macdonald I *Proc Nutr Soc* 34: 55a-56a, Sep 75 (Eng) \*DL/76AUG768

## Mackin JF

DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

## MacRae AR

A COMPARISON OF THE EFFECTS OF AN ORAL FRUCTOSE LOAD IN HYPERTRIGLYCERIDAEMIC AND NORMOLIPIDAEMIC MEN. MacRae AR, Macdonald I *Proc Nutr Soc* 34: 54a-55a, Sep 75 (Eng) \*DL/76AUG767

ADULT; CARBOHYDRATE METABOLISM, INBORN ERRORS (complications); COMPARATIVE STUDY; FRUCTOSE INTOLERANCE (complications); FRUCTOSE (diagnostic use); HUMAN; HYPERLIPIDEMIA (complications); MALE; TRIGLYCERIDES (blood); URIC ACID (blood).

## Madge GE

SUSCEPTIBILITY OF MICE TO GROUP B COXSACKIE VIRUS IS INFLUENCED BY THE DIABETIC GENE. Webb SR, Loria RM, Madge GE, Kibrick S *J Exp Med* 143: 1239-48, 1 May 76 (Eng) DL/76AUG191

## Madley TI

REGULATION OF GLYCOLYSIS IN NEUROSPORA CRASSA. KINETIC PROPERTIES OF PYRUVATE KINASE. Tsao MU, Madley TI *Microbios* 12: 125-42, 1975 (Eng) \*DL/76AUG746

## Madsen J

CONTINUOUS ESTIMATION OF ADIPOSE TISSUE BLOOD FLOW IN RATS BY 133XE ELIMINATION. Madsen J, Malchow-Moller A, Waldorff S *J Appl Physiol* 39: 851-6, Nov 75 (Eng) \*DL/76AUG709

ADIPOSE TISSUE (blood supply); ANIMAL; BLOOD SUGAR (metabolism); FEMALE; METHODS; RADIOISOTOPES; RATS; REGIONAL BLOOD FLOW; XENON.

## Mackubo H

[EFFECT OF ACUTE COLD EXPOSURE ON BLOOD COMPOSITION IN RATS TREATED WITH 6-HYDROXYDOPAMINE (AUTHORS TRANSL)] Honma K, Fukushima N, Mackubo H, Itoh S *Hokkaido J Med Sci* 50: 299-303, May 75 (Jpn) \*DL/76AUG517

## Mazawa H

[HISTOCHEMICAL STUDY OF MEDIUM-CHAIN, NEUTRAL FAT, GLUCOSE AND IRON UPTAKE IN THE INTESTINAL-TYPE EPITHELIAL CELLS OF THE GASTRIC MUCOSA] Katsuo K, Mazawa H, Odakura T *Jpn J Gastroenterol* 72: 838-45, Jul 75 (Jpn) \*DL/76AUG560

**Magnussen CR**

COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA. Bonkowsky HL, Magnussen CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

**Maier R**

STEROIDOGENIC AND LIPOLYTIC EFFECTS OF CANNABINOLS IN THE RAT AND THE RABBIT. Maier R, Maitre I. *Biochem Pharmacol* 24: 1695-9, 15 Sep 75 (Eng) \*DL/76AUG917

ADRENAL CORTEX HORMONES (biosynthesis); ADRENAL GLANDS (metabolism, physiology); ADRENALCTOMY; ANIMAL; ASCORBIC ACID (metabolism); BLOOD SUGAR (metabolism); CANNABIS (pharmacodynamics); CHOLESTEROL (metabolism); CORTICOSTERONE (blood); CORTICOTROPIN (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (blood); HYDROCORTISONE (blood); LIPIDS (metabolism); MALE; RABBITS; RATS; STEREOISOMERS; STIMULATION, CHEMICAL; TETRAHYDROCANNABINOL (pharmacodynamics); TIME FACTORS.

**Maitland CL**

HEMODYNAMIC AND METABOLIC ALTERATIONS IN PERIPHERAL TISSUE DURING HEMORRHAGIC SHOCK. Shearburn EW 3d, Craig WD, Maitland CL, Howard PL, McCoy S, Drucker WR. *Am Surg* 41: 696-703, Nov 75 (Eng) \*DL/76AUG890

**Maitre I**

STEROIDOGENIC AND LIPOLYTIC EFFECTS OF CANNABINOLS IN THE RAT AND THE RABBIT. Maier R, Maitre I. *Biochem Pharmacol* 24: 1695-9, 15 Sep 75 (Eng) \*DL/76AUG917

**Malaisse WJ**

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL. Levy J, Herchuelz A, Sener A, Malaisse WJ *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

**Malaisse-Lagae F**

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ISLETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

**Malan C**

EFFECT OF ALCOHOL ADMINISTRATION ON PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA. Priem HA, Shanley BC, Malan C *Metabolism* 25: 397-403, Apr 76 (Eng) DL/76AUG242

**Malchow-Moller A**

CONTINUOUS ESTIMATION OF ADIPOSE TISSUE BLOOD FLOW IN RATS BY 133Xe ELIMINATION. Madsen J, Malchow-Moller A, Waldorff S *J Appl Physiol* 39: 851-6, Nov 75 (Eng) \*DL/76AUG709

**Maleeva A**

[MECHANISM OF SOMATOTROPIN HORMONE SECRETION AND A TEST FOR ITS EVALUATION] Maleeva A, Milanov S *Vutr Boles* 14: 11-6, 1975 (Bul) DL/76AUG368

ANIMAL EXPERIMENTS (analysis); ARGININE (diagnostic use); ELECTRIC STIMULATION; GLUCAGON (diagnostic use); HUMAN; HYPOGLYCEMIA (chemically induced); HYPOTHALAMUS (drug effects, secretion); HYPOTHALAMUS (ultrastructure); HYPOTHALAMUS, MEDIAL (secretion); IN VITRO; INSULIN (diagnostic use); LEVODOPA (diagnostic use); SOMATOTROPIN RELEASING HORMONE (pharmacodynamics); SOMATOTROPIN (analysis, pharmacodynamics, secretion); TISSUE EXTRACTS (pharmacodynamics).

**Malins JM**

DIABETES MELLITUS: CAN WE REDUCE THE COMPLICATIONS Malins JM *J R Coll Physicians Lond* 10: 289-93, Apr 76 (Eng) DL/76AUG201

BLOOD SUGAR (analysis); DIABETES MELLITUS (complications, therapy); DIABETIC ANGIOPATHIES (blood); DIABETIC NEPHROPATHIES (therapy); DIABETIC NEUROPATHIES (prevention & control); DIABETIC RETINOPATHY (therapy); HUMAN; INSULIN (blood); PATIENT CARE PLANNING; SOMATOTROPIN (blood).

**Malkina LA**

[VASCULAR HYALINOSIS IN DIABETIC MICROANGIOPATHY] Saltykov BB, Malkina LA *Arkh Patol* 37: 38-44, 1975 (Rus) DL/76AUG463

**Malmendier CL**

CARBOHYDRATE CONTENT OF HUMAN VLDL, LDL, AND HDL PLASMA APOPROTEINS FROM FASTING NORMAL AND HYPERLIPIDEMIC PATIENTS. Fontaine M, Malmendier CL *Clin Chim Acta* 64: 91-3, 1 Oct 75 (Eng) \*DL/76AUG662

**Malone M**

CARDIAC METABOLISM OF BETA-HYDROXY FATTY ACIDS. Hull FE, Malone M, Albers-Schonberg G *Recent Adv Stud Cardiac Struct Metab* 3: 39-52, 1973 (Eng) \*DL/76AUG800

**Malpress FH**

RESPIRATION RATES AND ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: STATE 4-3-4 TRANSITION EXPERIMENTS. Archbold GP, Farrington CL, McKay AM, Malpress FH *Biochem Soc Trans* 3: 504-7, 1975 (Eng) \*DL/76AUG685

ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: CHANGE OF MEDIA AND THE STATE-4 JUMP. Archbold GP, Farrington CL, Malpress FH *Biochem Soc Trans* 3: 507-10, 1975 (Eng) \*DL/76AUG686

**Malvano R**

RESULTS OF A COMPARATIVE STUDY ON INSULIN RADIOIMMUNOASSAY IN 36 ITALIAN LABORATORIES. Costantini A, Lostia O, Malvano R, Rollieri E, Taggi F, Zuccherelli GC *Pathol Biol (Paris)* 23: 873-83, Dec 75 (Eng) DL/76AUG285

**Mampel E**

[ACUTE HEMODIALYSIS IN INTERNAL MEDICINE EMERGENCY THERAPY] Mampel E, Koall W, Ganzert G *Z Gesamte Inn Med* 30: 175-6 contd, 1 Sep 75 (Ger) DL/76AUG383

ADOLESCENCE: ADULT; AMANITA; CARBON TETRACHLORIDE POISONING (therapy); CASE REPORT; CHILD; DIABETIC ANGIOPATHIES (therapy); EMERGENCIES; FEMALE; HEMODIALYSIS; HUMAN; KIDNEY FAILURE, ACUTE (etiology, therapy); LEPTOSPIROSIS (therapy); LIVER DISEASES (therapy); MALE; MIDDLE AGE; MU SHROOM POISONING (therapy); PORPHYRIA (therapy); PREGNANCY COMPLICATIONS (therapy); PREGNANCY; SEPTICEMIA (therapy).

**Manchado OO**

A STUDY OF THE METABOLISM OF ZINC ITS METALLOENZYMES IN DIABETES MELLITUS. Mateo MC, Bustamante JB, Quiros JF, Manchado OO *Biochemistry [Express]* 23: 134-6, 30 Apr 75 (Eng) DL/76AUG7

**Mancini RE**

EFFECT OF FSH AND LH ON THE GLYCOGEN CONCENTRATION IN TESTIS OF INTACT AND HYPOPHYSECTOMIZED RATS. Iciderman B, Mancini RE *Acta Physiol Lat Am* 24: 305-11, 1974 (Eng) \*DL/76AUG875

**Mangnall Y**

PANCREATIC ISCHAEMIA; SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

**Manicadide MA**

CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinhach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicadide MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

**Mann JI**

SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION. Thorogood M, Mann JI *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774

**Mannucci L**

PROCEEDINGS: NEW SYNTHETIC DERIVATIVES OF NATURAL CYCLIC NUCLEOTIDES: THEIR EFFECT ON PLATELET BEHAVIOUR. Pareti FI, Mannucci L, Carrera D, Mannucci PM *Thromb Diath Haemorrh* 34: 335-6, 30 Sep 75 (Eng) \*DL/76AUG851

**Mannucci PM**

PROCEEDINGS: NEW SYNTHETIC DERIVATIVES OF NATURAL CYCLIC NUCLEOTIDES: THEIR EFFECT ON PLATELET BEHAVIOUR. Pareti FI, Mannucci L, Carrera D, Mannucci PM *Thromb Diath Haemorrh* 34: 335-6, 30 Sep 75 (Eng) \*DL/76AUG851

**Manovich EE**

[DIAGNOSIS OF DIABETIC POLYNEUROPATHY] Manovich EE, Prikhozhan VM *Sov Med* 64-7, Dec 75 (Rus) DL/76AUG344

ADOLESCENCE: ADULT; DIABETIC NEUROPATHIES (diagnosis); ENGLISH ABSTRACT; HUMAN; LEG (innervation); MIDDLE AGE; NEURAL CONDUCTION; POLYNEURITIS (diagnosis); REFLEX; TIBIAL NERVE (physiopathology).

**Mantegazza P**

INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG. Muller EE, Udeschini G, Cecchi C, Zambotti F, Panerai A, Vicentini G, Socoli F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

**Manteghetti M**

[COOPERATIVE BINDING OF TOLBUTAMIDE BY ISOLATED RAT ISLETS OF LANGERHANS] Alric R, Manteghetti M, Puech R, Lignon F, Loubatieres A *C R Acad Sci [D] (Paris)* 281: 2029-32, 22 Dec 75 (Fre) DL/76AUG38

## Mantz JM

Mantz JM

[HYPEROSMOLAR COMA] Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 393-404, 26 Mar 76 (Ger) DL/76AUG258  
ADULT; AGED; ALCOHOL; ETHYL (blood); BLOOD SUGAR (analysis); COMA (drug therapy); DIABETES MELLITUS (complications); DIABETIC COMA (diagnosis); ELECTROENCEPHALOGRAPHY; ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERGLYCEMIA (complications); HYPERNATREMIA (complications); INSULIN (therapeutic use); MALE; MIDDLE AGE; OSMOTIC PRESSURE; POTASSIUM (therapeutic use); PROGNOSIS; SKIN MANIFESTATIONS; THROMBOSIS (etiology); WATER (administration & dosage).

Mao J

MITOCHONDRIAL FUNCTION AND EXCITATION-CONTRACTION COUPLING IN THE DEVELOPMENT OF ALCOHOLIC CARDIOMYOPATHY. Pachinger O, Mao J, Fauvel JM, Bing RJ *Recent Adv Stud Cardiac Struct Metab* 5: 423-9, 1975 (Eng) \*DL/76AUG834

Marasco M

DURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113

Marbach EP

SODIUM IODOACETATE AS AN ANTIGLYCOLYTIC AGENT IN BLOOD SAMPLES. Marbach EP, McLean M, Scharn M, Jones T *Clin Chem* 21: 1810-2, Nov 75 (Eng) \*DL/76AUG658

AUTOANALYSIS; BLOOD SUGAR (analysis, metabolism); DRUG STABILITY; FLUORIDES (pharmacodynamics); GLYCOLYSIS (drug effects); HUMAN; IODOACETATES (pharmacodynamics); METHODS.

Marco J

POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN. Marco J, Hedo JA, Martiniell J, Calle C, Villanueva M *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

ARGININE (pharmacodynamics); CYPROHEPTADINE (pharmacodynamics); GLUCAGON (secretion); HUMAN; HYPOGLYCEMIA (chemically induced); INSULIN; METHYLSERGIDE (pharmacodynamics); P-CHLOROPHENYLALANINE (pharmacodynamics); SEROTONIN (antagonists & inhibitors, biosynthesis, physiology).

Marcove RC

THE MANAGEMENT OF DIABETIC FOOT PROBLEMS. Marcove RC *Compr Ther* 1: 36-9, May 75 (Eng) DL/76AUG55

DIABETES MELLITUS (complications); DIABETIC NEUROPATHIES (complications); FOOT DISEASES (complications, prevention & control, surgery); GANGRENE (surgery); HUMAN; HYPISTHESIA (complications); INFECTION (prevention & control); OSTEOMYELITIS (surgery); WOUNDS AND INJURIES (prevention & control).

Marechal LR

GLYCOSYL TRANSFER TO AN ACCEPTOR LIPID FROM INSECTS. Quesada Allue LA, Belocopitow E, Marechal LR *Biochem Biophys Res Commun* 66: 1201-8, 27 Oct 75 (Eng) \*DL/76AUG915

Margolis J

LETTER: A FREQUENT SIGN OF DIABETES MELLITUS. Margolis J, Margolis LS *N Engl J*

## Diabetes Literature—Author Index

Med 294: 1184, 20 May 76 (Eng) DL/76AUG264

DIABETES MELLITUS (diagnosis); FEMALE; HUMAN; HYPERPLASIA; MALE; SEX FACTORS; SKIN MANIFESTATIONS.

Margolis LS

LETTER: A FREQUENT SIGN OF DIABETES MELLITUS. Margolis J, Margolis LS *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG264

Marinina GP

[THE XY SYNDROME (BRIEF CLINICO-MORPHOLOGIC CHARACTERISTICS)] Marinina GP, Blagoveshchenskaya TA, Oleinikov NI *Zh Nevropatol Psikhiatr* 76: 413-6, 1976 (Rus) DL/76AUG394

ADOLESCENCE; ADULT; ANEUPLOIDY; BODY HEIGHT; ELECTROENCEPHALOGRAPHY; ENGLISH ABSTRACT; HUMAN; INSULIN (blood); JAW ABNORMALITIES (familial & genetic); MALE; MENTAL DISORDERS (familial & genetic); MENTAL RETARDATION (familial & genetic); MOSAICISM; PSYCHOPATHOLOGY; PUBERTY; SEX CHROMOSOME ABNORMALITIES; SEX CHROMOSOMES; SYNDROME.

Marks V

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197

Marniemi J

ETHANOL INDUCED ALTERATION OF MICROSOMAL MEMBRANE BOUND ENZYMES OF RAT LIVER IN VITRO. Marniemi J, Aitio A, Vainio H *Acta Pharmacol Toxicol (Kbh)* 37: 222-32, Sep 75 (Eng) \*DL/76AUG873

ALCOHOL; ETHYL (pharmacodynamics); ANIMAL; BENZOPYRENE HYDROXYLASE (metabolism); BENZOPYRENES (pharmacodynamics); CELL MEMBRANE (enzymology); COMPARATIVE STUDY; ENZYME ACTIVATION (drug effects); GLUCOSEPHOSPHATASE (metabolism); IN VITRO; MALE; MICROSOMES, LIVER (enzymology); NITROANISOLE O-DEMETHYLASE (metabolism); PHENOBARBITAL (pharmacodynamics); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UDP GLUCURONOSYLTRANSFERASE (metabolism).

Maron BJ

INTRAMITOCHONDRIAL GLYCOGEN DEPOSITS IN HYPERTROPHIED HUMAN MYOCARDIUM. Maron BJ, Ferrans VJ *J Mol Cell Cardiol* 7: 697-702, Sep 75 (Eng) \*DL/76AUG731

ADOLESCENCE; ADULT; AGED; AORTIC VALVE STENOSIS (pathology); CHILD; FEMALE; GLYCOGEN (isolation & purification); HEART ENLARGEMENT (pathology); HUMAN; MALE; MIDDLE AGE; MITOCHONDRIA, MUSCLE (ultrastructure); MITOCHONDRIAL SWELLING; MYOCARDIUM (ultrastructure).

Maron MB

ACUTE BLOOD BIOCHEMICAL ALTERATIONS IN RESPONSE TO MARATHON RUNNING. Maron MB, Horvath SM, Wilkerson JE *Eur J Appl Physiol* 34: 173-81, 15 Aug 75 (Eng) \*DL/76AUG672

ADRENAL MEDULLA (physiology); ADULT; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); BODY TEMPERATURE; BODY WEIGHT; CHOLESTEROL (blood); EPINEPHRINE (blood); FATTY ACIDS, NONESTERIFIED (blood); GLYCERIN (blood); HEMATOCRIT; HEMOGLOBINS (analysis); HUMAN; HYDROCORTISONE (blood); LACTATES (blood); LIPIDS (blood); MALE; NOREPINEPHRINE (blood); PLASMA VOLUME; PYRUVATES (blood); RUNNING; SODIUM (blood); SYMPATHETIC NERVOUS SYSTEM (physiology); TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; WATER-ELECTROLYTE BALANCE.

Maroudas A

FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO. Maroudas A, Stockwell RA, Nachemson A, Urban JJ *Anat* 120: 113-30, Sep 75 (Eng) \*DL/76AUG706

ADOLESCENCE; ADULT; AGED; BONE MARROW (anatomy & histology); DIFFUSION; GLUCOSE (metabolism); HUMAN; IN VITRO; INTERVERTEBRAL DISK (metabolism, blood supply, anatomy & histology); LUMBAR VERTEBRAE (metabolism); MIDDLE AGE; PERMEABILITY.

Marozzi P

[BEHAVIOR OF BLOOD SOMATOTROPIN AFTER INTRAMUSCULAR ADMINISTRATION OF GLUCAGON IN PREPUBERAL OBSE SUBJECTS] Lanzara P, Marozzi P, Carmina E, Janini A *Pediatrics (Napoli)* 83: 81-9, 31 Mar 75 (Ita) DL/76AUG291

Marpole D

ADAPTATION OF THE CORONARY CIRCULATION TO PRIMARY MYOCARDIAL DISEASE. Klassen GA, Tanser PH, Marpole D, Agarwal JB *Recent Adv Stud Cardiac Struct Metab* 3: 497-506, 1973 (Eng) \*DL/76AUG802

Marrazzo WN

ENZYME IMMOBILIZED IN A PACKED-BED REACTOR: KINETIC PARAMETERS AND MASS TRANSFER EFFECTS. Marrazzo WN, Merson RL, McCoy BJ *Biotechnol Bioeng* 17: 1515-28, Oct 75 (Eng) \*DL/76AUG640

ADSORPTION; COMPARATIVE STUDY; ENZYMES (metabolism); FRUCTOSE (metabolism); GLUCOSE (metabolism); KINETICS; MODELS, CHEMICAL; PARTICLE SIZE; SUCRASE (metabolism); SUCROSE (metabolism); SURFACE PROPERTIES.

Marsal K

MATERNAL SMOKING AND FETAL BREATHING MOVEMENTS. Gennser G, Marsal K, Brantmark B *Am J Obstet Gynecol* 123: 861-7, 15 Dec 75 (Eng) \*DL/76AUG608

Marsden JC

THE EFFECT OF 2-DEOXY-D-GLUCOSE AND 3-O-METHYL-D-GLUCOSE ON MUCOSUBSTANCE SECRETION IN CELL CULTURE. Duguid R, Marsden JC *Biochem Soc Trans* 3: 498-9, 1975 (Eng) \*DL/76AUG684

Marsh WL

NORMAL VALUES: THEORETICAL AND PRACTICAL ASPECTS. Werner M, Marsh WL *CRC Crit Rev Clin Lab Sci* 6: 81-100, Sep 75 (Eng) [62] \*DL/76AUG667

Marshall MW

DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689



# Diabetes Literature—Author Index

McCarty KS Jr

## Marsters RW

CERTAIN METABOLIC CONSEQUENCES OF JEJUNOILEAL BYPASS. Bendezu R, Wieland RG, Green SG, Hallberg MC, Marsters RW *Am J Clin Nutr* 29: 366-70, Apr 76 (Eng) DL/76AUG426

## Martin AF

TURNOVER OF MYOCARDIAL COMPONENTS IN CARDIAC HYPERTROPHY. Zak R, Martin AF, Dowell RT, Rabinowitz M *Recent Adv Stud Cardiac Struct Metab* 3: 603-14, 1973 (Eng) \*DL/76AUG808

## Martin CE

FEMOROPLOTEAL BYPASS FOR SALVAGE AND CLAUDICATION: A COMPARISON OF LONG-TERM RESULTS. Martin CE, Foster JH *South Med J* 69: 420-3, Apr 76 (Eng) DL/76AUG340

AMPUTATION; ARTERIAL OCCLUSIVE DISEASES (mortality, surgery); BLOOD VESSEL PROSTHESIS (adverse effects, mortality); DIABETES MELLITUS (complications); FEMALE; FEMORAL ARTERY (surgery); FOLLOW-UP STUDIES; HUMAN; INTERMITTENT CLAUDICATION (surgery); LEG (blood supply); MALE; MIDDLE AGE; POPLITEAL ARTERY (surgery); PROGNOSIS; TRANSPLANTATION, AUTOLOGOUS; VEINS (transplantation).

## Martin SB

EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN. Lal S, Tolis G, Martin SB, Brown GM, Guyda H *J Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

## Martin TJ

CHANGES IN CATECHOLAMINE- AND GLUCAGON-RESPONSIVE ADENYLATE CYCLASE ACTIVITY IN PRENEOPLASTIC RAT LIVER. Boyd H, Martin TJ *Mol Pharmacol* 12: 195-202, Mar 76 (Eng) DL/76AUG253

## Martinell J

POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN. Marco J, Hedo JA, Martinell J, Calle C, Vilanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

## Martinelli B

STIMULATION OF 45CA EFFLUX FROM SMOOTH MUSCLE CELLS BY METABOLIC INHIBITION AND HIGH K DEPOLARIZATION. Van Breemen C, Wuytack F, Casteels R, Martinelli B, Campailla E, Ferrari G *Pfluegers Arch* 359: 183-96, 9 Sep 75 (Eng) \*DL/76AUG758

## Martyniuk IuM

[DIAGNOSIS AND TREATMENT OF INSULINOMA] Borovyi EM, Martyniuk IuM, Nesterenko LN, Syvyy Niu *Vrach Delo* 90-1, Mar 74 (Rus) \*DL/76AUG861

## Mashiter K

SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY. Casar J, Mashiter K, Sullivan G, Joplin GF *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408

## Masiello P

EARLY EFFECTS OF THE ADMINISTRATION OF STREPTOZOTOCIN ON MUSCLE GLYCOGEN. De Paoli AA, Masiello P, Bergamini E *Biochem Pharmacol* 25: 933-5, 15 Apr 76 (Eng) DL/76AUG469

## Massara F

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

ACROMEGALY (blood, physiopathology); ADULT; FEMALE; GLUCAGON (pharmacodynamics); HUMAN; IN VITRO; INSULIN (blood); MALE; SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); SOMATOTROPIN (blood).

## Matas AJ

PARANEOPLASTIC SYNDROMES. PP. 145-51. Burk M, Matas AJ, Simmons RI. In: *Najarian JS, Delaney JP, ed. Advances in cancer surgery*. New York, Stratton, 1976. QZ 268 A244 1975. (Eng) DL/76AUG182

ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES. Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220

AMYLASE (analysis); ANIMAL EXPERIMENTS (analysis); ANIMALS, NEWBORN; DIABETES MELLITUS (therapy); INSULIN (analysis); ISLANDS OF LANGERHANS (transplantation); PANCREAS (enzymology); RATS; TIME FACTORS; TISSUE DONORS; TRANSPLANTATION, HOMOLOGOUS (transplantation); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.).

## Mateo MC

A STUDY OF THE METABOLISM OF ZINC ITS METALLOENZYMES IN DIABETES MELLITUS. Mateo MC, Bustamante JB, Quiros JF, Manchado OO *Biomedicine [Express]* 23: 134-6, 30 Apr 75 (Eng) DL/76AUG7

ALKALINE PHOSPHATASE (blood); DIABETES MELLITUS (metabolism); FEMALE; HUMAN; LACTATE DEHYDROGENASE (blood); MALE; SEX FACTORS; ZINC (blood, metabolism, urine).

## Mathew PT

HYPOGLYCAEMIC EFFECTS OF ONION, ALLIUM CEPA LINN. ON DIABETES MELLITUS - A PRELIMINARY REPORT. Mathew PT, Augusti KT *Indian J Physiol Pharmacol* 19: 213-7, Oct-Dec 75 (Eng) DL/76AUG120

ALLOXAN DIABETES (blood); ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (analysis); DEPRESSION, CHEMICAL; DIABETES MELLITUS (blood); FEMALE; HUMAN; HYPOGLYCEMIC AGENTS; MALE; MIDDLE AGE; PHENFORMIN (pharmacodynamics); PLANT EXTRACTS (pharmacodynamics); RABBITS.

## Mathov E

RESEARCH ON A NEW TYPE OF ANTIINSULIN ANTIBODY IN A DIABETIC FEMALE PATIENT; THE CYTOTOXIC ANTIBODY. ANTIINSULIN CYTOTOXIC ANTIBODY. Mathov E, Greiding L *Allergol Immunopathol (Madr)* 4: 1-14, Jan-Feb 76 (Eng) DL/76AUG424

AGED; BINDING, COMPETITIVE; COMPLEMENT; CYTOTOXICITY TESTS; IMMUNOLOGIC; DESENSITIZATION; DIABETES MELLITUS (immunology); FEMALE; HUMAN; IGE (analysis); IGG (analysis); INSULIN ANTIBODIES (analysis); INSULIN RESISTANCE; LEUKOCYTES (immunology); PASSIVE TRANSFER.

## Matsuda I

X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS. Abe K, Matsuda I, Matsuura N, Mu-

rayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

## Matsuo T

METABOLIC STUDIES ON THE DEVELOPMENT OF ETHANOL-INDUCED FATTY LIVER IN KK-A<sup>y</sup> MICE. Arakawa M, Taketomi S, Furuno K, Matsuo T, Iwatsuka H *J Nutr* 105: 1500-8, Dec 75 (Eng) \*DL/76AUG549

## Matsuura N

X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS. Abe K, Matsuda I, Matsuura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

## Matz D

[HYPERINSULINISM. NEUROLOGICAL AND PSYCHIATRIC ASPECTS (AUTHORS TRANSL.)] Matz D, Enders P, Baumeister G *J Neurol* 212: 177-82, 23 Apr 76 (Ger) DL/76AUG198

ADULT; BLOOD SUGAR (analysis); CASE REPORT; ELECTROENCEPHALOGRAPHY; ENGLISH ABSTRACT; HUMAN; HYPERINSULINISM (complications, diagnosis); MALE; PSYCHOSES, ORGANIC (complications).

## Matzkies F

[METABOLIC EFFECT OF A CARBOHYDRATE COMBINATION DURING SIMULTANEOUS AMINO ACID INFUSION] Berg G, Matzkies F, Heid H, Fekl W *Z Ernahrungswiss* 14: 163-74, Sep 75 (Ger) DL/76AUG379

## Mayer H

[DIAGNOSTIC EVALUATION OF VARIOUS BLOOD VALUES IN THE HORSE] Kraft W, Mayer H, Eikmeier H *Tierarztl Prax* 3: 199-204, 1975 (Ger) \*DL/76AUG587

## Mayhew E

THE INTERACTION OF PHOSPHOLIPID VESICLES WITH MAMMALIAN CELLS IN VITRO. Papahadjopoulos D, Poste G, Mayhew E *Biochem Soc Trans* 3: 606-8, 1975 (Eng) \*DL/76AUG502

## Mayor F

STIMULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) ACTIVITY BY LOW CONCENTRATIONS OF CIRCULATING GLUCOSE IN PERFUSED RAT LIVER. Moreno FJ, Sanchez-Urrutia L, Medina JM, Sanchez-Medina F, Mayor F *Biochem J* 150: 51-8, Jul 75 (Eng) \*DL/76AUG620

## McCann SM

THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett PC, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68

## McCarty KS Jr

EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES. PP. 129-47. McCarty KS Jr, McCarty KS Sr *In: Hess M, ed. Electron microscopic concepts of secretion*. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG164

ADENOCARCINOMA (metabolism); ANIMAL EXPERIMENTS (analysis); ENDOPLASMIC RETICULUM (ultrastructure); FEMALE; HYDROCORTISONE (pharmacodynamics); INSULIN (pharmacodynamics); MAMMAE (metabolism, ultrastructure); MAMMARY NEOPLASMS, EXPERIMENTAL (metabolism,

## McCarty KS Sr

pathology); MICE; MICE, INBRED C3H; MICROSCOPY, ELECTRON; MILK PROTEINS (biosynthesis); MITOSIS (drug effects); MONOGRAPH (mortality); ORGAN CULTURE; PROLACTIN (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.).

## McCarty KS Sr

EVIDENCE OF HORMONE INDUCTION OF MILK PROTEINS IN NORMAL AND MALIGNANT MAMMARY GLAND CULTURES. PP. 129-47. McCarty KS Jr, McCarty KS Sr In: Hess M, ed. *Electron microscopic concepts of secretion*. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG164

## McConnell EA

MEETING THE SPECIAL NEEDS OF DIABETICS FACING SURGERY. McConnell EA *Nursing (Jenkintown)* 6: 30-7, Jun 76 (Eng) DL/76AUG278  
DIABETES MELLITUS (metabolism); HUMAN; INSULIN (metabolism); POSTOPERATIVE COMPLICATIONS (prevention & control); SURGERY, OPERATIVE; SURGICAL NURSING.

## McCoy BJ

ENZYME IMMOBILIZED IN A PACKED-BED REACTOR: KINETIC PARAMETERS AND MASS TRANSFER EFFECTS. Marrazzo WN, Merson RL, McCoy BJ *Biotechnol Bioeng* 17: 1515-28, Oct 75 (Eng) \*DL/76AUG640

## McCoy S

HEMODYNAMIC AND METABOLIC ALTERATIONS IN PERIPHERAL TISSUE DURING HEMORRHAGIC SHOCK. Shearburn EW 3d, Craig WD, Mattland CL, Howard PL, McCoy S, Drucker WR *Am Surg* 41: 696-703, Nov 75 (Eng) \*DL/76AUG890

## McDonald TJ

EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE. Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23

## McGill DB

PROSPECTIVE COMPARISON OF INDIRECT METHODS FOR DETECTING LACTASE DEFICIENCY. Newcomer AD, McGill DB, Thomas PJ, Hofman AF *N Engl J Med* 293: 1232-6, 11 Dec 75 (Eng) \*DL/76AUG752

## McGrath JJ

HEMATOLOGICAL AND BIOCHEMICAL EFFECTS OF CHRONIC CO EXPOSURE ON THE JAPANESE QUAIL. Jaeger JJ, McGrath JJ *Respir Physiol* 24: 365-72, Sep 75 (Eng) \*DL/76AUG839

## McIntyre PA

STIMULATION BY PROPYLTHIOURACIL OF THE HEXOSE MONOPHOSPHATE SHUNT IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES DURING PHAGOCYTOSIS. Tsan MF, McIntyre PA *Br J Haematol* 31: 193-208, Oct 75 (Eng) \*DL/76AUG472

## McKay AM

RESPIRATION RATES AND ADENOSINE TRIPHOSPHATE SYNTHESIS IN RAT LIVER MITOCHONDRIA: STATE 4-3-4 TRANSITION EXPERIMENTS. Archbold GP, Farrington CL, McKay AM, Malpress FH *Biochem Soc Trans* 3: 504-7, 1975 (Eng) \*DL/76AUG685

## Mckeown BA

EFFECT OF THERMAL STRESS AND DEHYDRATION ON PLASMA LEVELS OF GLUCOSE, FREE FATTY ACIDS AND GROWTH HORMONE IN THE PIGEON. John TM, Mckeown BA, George JC *Arch Int Physiol*

## Diabetes Literature—Author Index

*Biochim* 83: 303-8, May 75 (Eng) \*DL/76AUG615

## McLaughlin GC 3d

OPTIMAL VISUALIZATION OF ESOPHAGEAL VARICES. Cockerill EM, Miller RE, Chernish SM, McLaughlin GC 3d, Rodda BE *Am J Roentgenol* 126: 512-23, Mar 76 (Eng) DL/76AUG440

## McLean M

SODIUM IODOACETATE AS AN ANTIGLYCOLYTIC AGENT IN BLOOD SAMPLES. Marbach EP, McLean M, Scharr M, Jones T *Clin Chem* 21: 1810-2, Nov 75 (Eng) \*DL/76AUG658

## McNamara DB

CARDIAC AND METABOLIC EFFECTS OF DIBUTYRYL CYCLIC AMP IN THE INTACT DOG HEART AND THE ISOLATED PERFUSED RAT HEART. Dhalla NS, Chernecki W, Gandhi SS, McNamara DB, Naimark A *Recent Adv Stud Cardiac Struct Metab* 3: 233-50, 1973 (Eng) \*DL/76AUG793

ADENYL CYCLASE ACTIVITY IN THE HYPOXIC HEART. McNamara DB, Sulakhe PV, Singh JN, Dhalla NS *Recent Adv Stud Cardiac Struct Metab* 3: 303-9, 1973 (Eng) \*DL/76AUG797  
ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS; ANOXIA (metabolism); FLUORIDES (pharmacodynamics); HEART (drug effects); MALE; MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (enzymology); NOREPINEPHRINE (pharmacodynamics); RATS; TIME FACTORS; 3,5-CYCLOC AMP PHOSPHODIESTERASE (metabolism).

## McNatt ML

GLUCOCORTICOID THERAPY IN CHILDREN. EFFECT ON SOMATOMEDIN SECRETION. Elders MJ, Wingfield BS, McNatt ML, Clarke JS, Hughes ER *Am J Dis Child* 129: 1393-6, Dec 75 (Eng) \*DL/76AUG606

## McNeill JH

INTERACTION OF FOUR METHYLXANTHINE COMPOUNDS AND NOREPINEPHRINE ON CARDIAC PHOSPHORYLASE ACTIVATION AND CARDIAC CONTRACTILITY. McNeill JH, Brenner MJ, Muschek LD *Recent Adv Stud Cardiac Struct Metab* 3: 261-73, 1973 (Eng) \*DL/76AUG795

ANIMAL EXPERIMENTS; CAFFEINE (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; DRUG SYNERGISM; ENZYME ACTIVATION; FEMALE; GLUCOGEN PHOSPHORYLASE (metabolism); GUINEA PIGS; MALE; MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (enzymology); NICOTINE (pharmacodynamics); NOREPINEPHRINE (pharmacodynamics); PAPAVERINE (pharmacodynamics); PHOSPHODIESTERASES (antagonists & inhibitors); STRUCTURE-ACTIVITY RELATIONSHIP; THEOBROMINE (pharmacodynamics); THEOPHYLLINE (pharmacodynamics); XANTHINES (pharmacodynamics); 3,5-CYCLOC AMP PHOSPHODIESTERASE (antagonists & inhibitors).

## Mead RJ

PROTEIN AND FREE AMINO ACID METABOLISM IN THE FAILING CANINE HEART. Peterson MB, Mead RJ, Welty JD *Recent Adv Stud Cardiac Struct Metab* 3: 615-23, 1973 (Eng) \*DL/76AUG809

## Medina G

CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL. Frantz ID 3d, Medina G, Taesch HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng) \*DL/76AUG722

## Medina JM

STIMULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) ACTIVITY BY LOW CONCENTRATIONS OF CIRCULATING GLUCOSE IN PERFUSED RAT LIVER. Moreno FJ, Sanchez-Urrutia L, Medina JM, Sanchez-Medina F, Mayor F *Biochem J* 150: 51-8, Jul 75 (Eng) \*DL/76AUG620

## Mehlman MA

EFFECT OF POLYCHLORINATED BIPHENYLS AND THIAMIN DEFICIENCY ON LIVER METABOLISM IN GROWING RATS. Berdaniel CD, Tobin RB, Nielsen RC, Mehlman MA, Veech RL *J Toxicol Environ Health* 1: 91-105, Sep 75 (Eng) \*DL/76AUG732

## Mehnerth H

PHYSIOLOGY OF METABOLISM DURING STARVATION. PP. 17-30. Dietze G, Wicklmayer M, Mehnerth H In: Ahnefeld FW, et al., ed. *Parenteral nutrition*. Berlin, Springer, 1976. WB 410 143 1974. (Eng) [16] DL/76AUG157

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prols H, Messmer K, Bucklein R, Lob G, Mehnerth H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

## Melani F

DIURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113  
ADULT; BLOOD SUGAR (metabolism); BODY HEIGHT; BODY WEIGHT; CIRCADIAN RHYTHM; DIURNAL RHYTHM; FEMALE; GLUCAGON (blood); HUMAN; INSULIN (blood); MALE.

## Melato M

AMYLOIDOSIS OF THE ISLANDS OF Langerhans and its effects with regard to their cellular components. Melato M, Antonutto G, Giarelli L, Mlac M *Pathologica* 67: 109-18, Mar-Apr 75 (Ita) DL/76AUG288  
ADULT; AGE FACTORS; AGED; AMYLOIDOSIS (pathology); DIABETES MELLITUS (pathology); ENGLISH ABSTRACT; FEMALE; HUMAN; ISLANDS OF LANGERHANS (pathology); MALE; MIDDLE AGE.

## Mende T

STUDIES ON PLASMA FREE-FATTY-ACID METABOLISM AND TRIGLYCERIDE SYNTHESIS OF BROWN ADIPOSE TISSUE IN VIVO DURING COLD-INDUCED THERMOGENESIS OF THE NEWBORN RABBIT. Schenk H, Heim T, Mende T, Varga F, Goetze E *Eur J Biochem* 58: 15-22, 1 Oct 75 (Eng) \*DL/76AUG675

## Mendelsohn D

LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES: USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879

## Menon KM

ADENOSINE-3:5-MONOPHOSPHATE-DEPENDENT AND PLASMA-MEMBRANE-ASSOCIATED PROTEIN KINASE FROM

# Diabetes Literature—Author Index

Mitchell KJ

**BOVINE CORPUS LUTEUM. SOLUBILIZATION AND PROPERTIES OF SOLUBILIZED ENZYME.** Azhar S, Menon KM *Eur J Biochem* 58: 105-15, 1 Oct 75 (Eng) \*DL/76AUG674

## Menzinger G

**GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN.** Fallucca F, Menzinger G, Gambardella S, Tamburano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

## Merbt EM

**[STUDY ON THE CHRONIC TOXICITY OF 1-(4-CYCLOHEXYLUREIDOPHENOXY)-2-HYDROXY-3-TERT-BUTYLAMINOPROPANE(TALINOLOL, CORDANUM, 02-115) IN THE RAT AND THE BEAGLE]** Bartsch R, Merbt EM, Riedel H *Pharmazie* 30: 659-68, Oct 75 (Ger) \*DL/76AUG583

## Merkel FK

**THE DIABETIC KIDNEY.** Merkel FK, Straus AK, Armbruster KF, Lewis EJ *Compr Ther* 1: 40-8, May 75 (Eng) DL/76AUG56  
**ANIMAL EXPERIMENTS (analysis); DIABETIC NEPHROPATHIES (surgery, therapy); DIET THERAPY; DISEASE MODELS, ANIMAL; GLOMERULONEPHRITIS (diagnosis, therapy); HUMAN; KIDNEY GLOMERULUS (pathology); KIDNEY (transplantation); PANCREAS (transplantation); PROTEINURIA; RATS.**

## Merola AJ

**PHOSPHATE AND SUBSTRATE TRANSPORT BY ISOLATED HEART MITOCHONDRIA.** Brierley GP, Scott KM, Jurkowitz M, Merola AJ *Recent Adv Stud Cardiac Struct Metab* 4: 245-52, 1974 (Eng) \*DL/76AUG820

## Merson RL

**ENZYME IMMOBILIZED IN A PACKED-BED REACTOR: KINETIC PARAMETERS AND MASS TRANSFER EFFECTS.** Marrazzo WN, Merson RL, McCoy BJ *Biotechnol Bioeng* 17: 1515-28, Oct 75 (Eng) \*DL/76AUG640

## Messmer K

**CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION.** Seifert J, Prohs H, Messmer K, Bucklein R, Loh G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

## Mestman JH

**REMISSION OF DIABETES MELLITUS DURING PREGNANCY.** Gabbe SG, Dizerega GS, Mestman JH *Am J Obstet Gynecol* 125: 264-5, 15 May 76 (Eng) DL/76AUG432

## Metz GL

**LETTER: FOOD: INFLUENCE OF FORM ON ABSORPTION.** Leeds AR, Gassull MA, Metz GL, Jenkins DJ *Lancet* 2: 1213, 13 Dec 75 (Eng) \*DL/76AUG570

## Metz H

**[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL)]** Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

## Michaelis D

**[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE]** Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

**[NORMAL BEHAVIOR OF GLUCOSE TOLERANCE, INSULIN SECRETION AND FREE FATTY ACIDS UNDER CARBOHYDRATE LOAD IN CHILDHOOD]** Amendt P, Michaelis D, Gottschling D, Hildmann W *Endokrinologie* 63: 373-80, 1974 (Ger) DL/76AUG80

**[DIAGNOSIS OF THE EARLY STAGES OF DIABETES AND PREVENTION OF DIABETES MANIFESTATIONS]** Michaelis D, Neumann I, Schulz B *Z Gesamte Inn Med* 30: 42-4, May 75 (Ger) DL/76AUG386  
**CARBOHYDRATES (diagnostic use); DIABETES MELLITUS (prevention & control); ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (blood); OBESITY IN DIABETES (diagnosis); PREDIABETIC STATE (diagnosis).**

## Michaelis OE 4th

**EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS.** Reiser S, Michaelis OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777

## Michaljanicova D

**TRANSPORT OF 4-DEOXY- AND 6-DEOXY-D-GLUCOSE IN BAKERS YEAST.** Kotyk A, Michaljanicova D, Veres K, Soukupova V *Folia Microbiol (Praha)* 20: 496-503, 1975 (Eng) \*DL/76AUG515

## Michel MC

**[PLASMA CALCITONIN LEVELS AND METABOLIC EFFECTS OF PORCINE CALCITONIN IN NEWBORN LAMBS (AUTHORS TRANSL)]** Barlet JP, Michel MC, Theriez M, Savajol H, Garel JM *J Physiol (Paris)* 68: 519-29, 1974 (Fre) \*DL/76AUG554

## Mikan M

**[POSSIBILITIES IN PREVENTION OF MANIFEST DIABETES MELLITUS IN POTENTIAL DIABETICS (PRELIMINARY REPORT)]** Dvorakova L, Valnickova J, Mikan M, Prokes J *Vnitř Lek* 22: 262-7, Mar 76 (Cze) DL/76AUG360

## Mikhailova NA

**[RATE OF BLOOD OXYGEN OUTPUT IN CERTAIN TYPES OF OCULAR PATHOLOGY]** Zaretskaia RB, Trutneva KV, Epshtein IM, Mikhailova NA *Vestn Oftalmol* 19-22, Jul-Aug 75 (Rus) DL/76AUG358

## Milanov S

**[MECHANISM OF SOMATOTROPIN HORMONE SECRETION AND A TEST FOR ITS EVALUATION]** Maleeva A, Milanov S *Vutr Bole* 14: 11-6, 1975 (Bul) DL/76AUG368

## Mildvan AS

**PROTON MAGNETIC RELAXATION STUDIES OF THE INTERACTION OF D-XYLOSE AND XYLITOL WITH D-XYLOSE ISOMERASE. CHARACTERIZATION OF METAL-ENZYME-SUBSTRATE INTERACTIONS.** Young JM, Schray KJ, Mildvan AS *J Biol Chem* 250: 9021-7, 10 Dec 75 (Eng) \*DL/76AUG531

## Milewicz A

**[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES]** Milewicz A, Stepień-Dobrowolska M, Szklarz E, Glebowska H, Gładysz A, Czarnecka J *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

**ADULT; CLINICAL RESEARCH; DIABETES MELLITUS, JUVENILE (blood); ENGLISH ABSTRACT; ERYTHROCYTES (metabolism); FEMALE; HUMAN; MAGNESIUM (blood); MALE; MIDDLE AGE.**

## Milhaud G

**[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY]** Schaison G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

## Miller ER

**EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS.** Waterman RA, Romsos DR, Tsai AC, Miller ER, Leveille GA *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779

## Miller RE

**DIRECT NEURAL INHIBITION OF INSULIN SECRETION IN RESPONSE TO SYSTEMIC HYPOGLYCEMIA.** Miller RE, Waide TH, Joyce MP *Am J Physiol* 230: 1090-4, Apr 76 (Eng) DL/76AUG439

**ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR; BODY WEIGHT; CROSS CIRCULATION; DOGS; INSULIN (secretion); NEURAL INHIBITION; PANCREAS (blood supply, innervation, secretion); PERFUSION; REGIONAL BLOOD FLOW; SPANIC NERVES (physiology, surgery); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ]**

**OPTIMAL VISUALIZATION OF ESOPHAGEAL VARICES.** Cockerill EM, Miller RE, Chernish SM, McLaughlin GC 3d, Rodda BE *Am J Roentgenol* 126: 512-23, Mar 76 (Eng) DL/76AUG440

## Miller TA

**SECRETIN, CHOLECYSTOKININ AND NEWER GASTROINTESTINAL HORMONES (SECOND OF TWO PARTS).** Rayford PL, Miller TA, Thompson JC *N Engl J Med* 294: 1157-63, 20 May 76 (Eng) [113] DL/76AUG261

## Millet

**[VALUE OF PYRIDINOL CARBAMATE IN OCULAR VASCULAR PATHOLOGY (ANGIOXINE)]** Boudet, Millet, Arnaud *Bull Soc Ophthalmol Fr* 74: 977-80, Sep-Oct 74 (Fre) DL/76AUG35

## Millward DJ

**THE RATES OF TISSUE PROTEIN SYNTHESIS IN VIVO IN HYPOPHYSECTOMIZED AND PAIR-FED CONTROL RATS.** Millward DJ, Nnanyelugo DO, Chatterjee AK *Proc Nutr Soc* 34: 95a-96a, Sep 75 (Eng) \*DL/76AUG776

**ANIMAL; DIET; FEEDING BEHAVIOR; HYPOPHYSECTOMY; MALE; PITUITARY GLAND (physiology); PROTEINS (biosynthesis); RATS; RNA (metabolism).**

## Minakami S

**TRANSPORT OF PHOSPHOENOLPYRUVATE THROUGH RED CELL MEMBRANE IN ACIDIFIED ISOTONIC SUCROSE MEDIUM.** Tomoda A, Hamasaki N, Minakami S *Biochem Biophys Res Commun* 66: 1127-30, 27 Oct 75 (Eng) \*DL/76AUG914

## Mirouze J

**[CONTINUOUS STUDY OF RAPIDLY FLUCTUATING PARAMETERS IN THE STUDY OF GLUCOREGULATION]** Collard F, Orsetti A, Mirouze J *Pathol Biol (Paris)* 23: 747-52, Nov 75 (Fre) DL/76AUG286

## Mirra JM

**THE OCCURRENCE IN A NEONATE OF A PANCREATIC ADENOMA WITH NESIDIOBLASTOSIS IN THE TUMOR.** Dahms BB, Lippe BM, Dakake C, Fonkalsrud EW, Mirra JM *Am J Clin Pathol* 65: 462-6, Apr 76 (Eng) DL/76AUG429

## Mitchell KJ

**INTOLERANCE OF EIGHT OUNCES OF MILK IN HEALTHY LACTOSE-INTOLERANT**

## Mitchell RA

TEEN-AGERS. Mitchell KJ, Bayless TM, Paige DM, Goodgame RW, Huang SS *Pediatrics* 36: 718-21, Nov 75 (Eng) \*DL/76AUG581  
ADOLESCENCE; BLOOD SUGAR (analysis); CHILD; FEMALE; HUMAN; LACTOSE INTOLERANCE (diagnosis, chemically induced); LACTOSE TOLERANCE TEST; LACTOSE (diagnostic use); MALABSORPTION SYNDROMES (diagnosis); MALE; MILK (adverse effects); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

## Mitchell RA

THE EFFECTS OF ADP ON REVERSE ELECTRON FLOW AND THE OXYGEN EXCHANGE REACTIONS CATALYZED BY BOVINE HEART MUSCLE SUBMITOCHONDRIAL PARTICLES. Mitchell RA, Russo JA, Lamos CM *J Supramol Struct* 3: 256-60, 1975 (Eng) \*DL/76AUG740

ADENOSINE DIPHOSPHATE (pharmacodynamics, analogs & derivatives); ADENOSINE TRIPHOSPHATE (metabolism); ARSENATES (pharmacodynamics); BINDING, COMPETITIVE; CATTLE; DEPRESSION, CHEMICAL; ELECTRON TRANSPORT (drug effects); MITOCHONDRIA, MUSCLE (metabolism, ultrastructure); OXYGEN CONSUMPTION (drug effects); PHOSPHATES, INORGANIC (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

## Mitovska MI

PROTAMINE INHIBITION OF THE OXIDATIVE PHOSPHORYLATION IN INTACT, CYTOCHROME C-DEPLETED AND RESTORED MITOCHONDRIA. Kossekova GP, Mitovska MI, Dancheva KI *Acta Biol Med Ger* 34: 539-47, 1975 (Eng) \*DL/76AUG870

## Mitro ASH

[PATHOGENESIS OF DISORDERS OF THE THYROID GLAND FUNCTION IN PREGNANCY] Bobik Iu, Kasatkina LA, Pashchenko AE, Mitro ASH, Fabri ZI *Vopr Okhr Materin Det* 19: 71-3, Feb 74 (Rus) \*DL/76AUG859

## Mitzkat HJ

[SOMATOSTATIN -- A REVIEW (AUTHORS TRANSL.)] Lucke C, Mitzkat HJ, von zur Muhlen A *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217

## Miyahara T

[CONNECTIVE TISSUE AND AGING. (2) GLYCOSYLATION OF COLLAGEN AND AGING] Murai A, Miyahara T, Shiozawa S, Sanada K *Jpn J Geriatr* 12: 108-9, May 75 (Jpn) \*DL/76AUG734

## Mlacc M

[AMYLOIDOSIS OF THE ISLANDS OF LANGERHANS AND ITS EFFECTS WITH REGARD TO THEIR CELLULAR COMPONENTS] Melato M, Antonutto G, Giarelli L, Mlacc M *Pathologica* 67: 109-18, Mar-Apr 75 (Ita) DL/76AUG288

## Mogenson GJ

DRINKING AND FEEDING INDUCED BY JUGULAR AND PORTAL INFUSIONS OF 2-DEOXY-D-GLUCOSE. Russell PJ, Mogenson GJ *Am J Physiol* 229: 1014-8, Oct 75 (Eng) \*DL/76AUG882

## Molinaro A

THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS. Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harsiadis L, Hardy MA, Reemtsma K, Allen FH Jr *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

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### Molinatti GM

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

### Molnar GD

SEVERE DIABETES: CURRENT KNOWLEDGE AS A BASIS FOR BETTER TREATMENT. Molnar GD *Compr Ther* 1: 21-4, May 75 (Eng) DL/76AUG52  
BLOOD SUGAR (analysis); DIABETES MELLITUS (blood, diagnosis, therapy); GLUCAGON (blood); HUMAN; INSULIN (therapeutic use).

### Moltz JH

THE HYPOTHALAMO-PANCREATIC AXIS: EVIDENCE FOR A NEUROHORMONAL PATHWAY IN THE CONTROL OF THE RELEASE OF INSULIN AND GLUCAGON. Moltz JH, Fawcett CP, McCann SM *Endocr Res Commun* 2: 537-47, 1975 (Eng) DL/76AUG68  
ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (analysis); GLUCAGON (blood, secretion); HYPOTHALAMUS (secretion); IN VITRO; INSULIN (blood, secretion); MALE; RATS; SODIUM CHLORIDE (pharmacodynamics); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. J.

### Mooney V

THE BELOW-THE-KNEE AMPUTATION FOR VASCULAR DISEASE. Mooney V, Wagner W Jr, Waddell J, Ackerson T *J Bone Joint Surg [Am]* 58: 365-8, Apr 76 (Eng) DL/76AUG136  
AMPUTATION (methods); ARTERIOSCLEROSIS (surgery); ARTIFICIAL LIMBS; DIABETIC ANGIOPATHIES (surgery); FEMALE; HUMAN; KNEE JOINT; LEG (blood supply); MALE; MIDDLE AGE; POSTOPERATIVE CARE; SURGICAL WOUND INFECTION (etiology); TIME FACTORS; VASCULAR DISEASES (surgery); WOUND HEALING.

### Moonsammy G

METABOLISM OF DOG GASTRIC MUCOSA. NUCLEOTIDE LEVELS IN PAJIAL CELLS. Sarau HM, Foley J, Moonsammy G, Wiebelhaus VD *J Biol Chem* 250: 8321-9, 10 Nov 75 (Eng) \*DL/76AUG527

### Moreno FJ

STIMULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) ACTIVITY BY LOW CONCENTRATIONS OF CIRCULATING GLUCOSE IN PERFUSED RAT LIVER. Moreno FJ, Sanchez-Urrutia L, Medina JM, Sanchez-Medina F, Mayor F *Biochem J* 150: 51-8, Jul 75 (Eng) \*DL/76AUG620

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; BLOOD SUGAR; CYCLOHEXIMIDE (pharmacodynamics); DACTINOMYCIN (pharmacodynamics); DIBUTYRYL CYCLIC AMP (metabolism); FEMALE; GLUCONEOGENESIS; LIVER GLYCOGEN (metabolism); LIVER (enzymology); NICOTINIC ACIDS (pharmacodynamics); PERFUSION; PHOSPHOENOLPYRUVATE CARBOXYKINASES (metabolism); RATS; STARVATION.

### Morikawa M

AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS

AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241

### Morimoto RY

[EXPERIMENTAL PANCREATIC ALLOTRANSPLANTATION IN DOGS: BIOCHEMICAL ASPECTS AND EVOLUTION] Ellenbogen G, Raia AA, Zilberstein B, Pollara WM, Neto OB, Morimoto RY, Pinotti HW *Rev Hosp Clin Fac Med Sao Paulo* 30: 340-4, Jul-Aug 75 (Por) \*DL/76AUG841

### Morita T

LIPID METABOLISM IN HUMAN CORONARY ARTERIES. Bing RJ, Morita T, Hashimoto H, Larsen E *Recent Adv Stud Cardiac Struct Metab* 3: 53-8, 1973 (Eng) \*DL/76AUG803

### Morkin E

CHARACTERIZATION OF SOLUBLE AND MICROSOMAL ADENOSINE 3,5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASES FROM RABBIT HEART. Laria PJ, Zwierling LJ, Morkin E *Recent Adv Stud Cardiac Struct Metab* 5: 133-41, 1975 (Eng) \*DL/76AUG827

### Motocu M

[CHARACTERISTICS OF CHEMICAL DIABETES MELLITUS IN WOMEN] Petcu D, Motocu M, Gligore V *Rev Med Intern [Med Intern]* 28: 145-51, Mar-Apr 76 (Rum) DL/76AUG334

### Mouriquand J

[CULTURE OF MAMMARY TUMORS: EFFECTS OF HORMONE ADDITION] PP. 99-113. Mouriquand J *In: Namer M, Lalanec CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Fre) [70] DL/76AUG183*

ADRENAL CORTEX HORMONES (pharmacodynamics); ANIMAL EXPERIMENTS (analysis); BREAST NEOPLASMS; DEXAMETHASONE (pharmacodynamics); ENGLISH ABSTRACT; ESTRADIOL (pharmacodynamics); FEMALE; HORMONES (pharmacodynamics); HUMAN; HYDROCORTISONE (pharmacodynamics); INCLUSION BODIES, VIRAL; INSULIN (pharmacodynamics); MAMMARY CANCER VIRUS (drug effects); MAMMARY NEOPLASMS, EXPERIMENTAL (microbiology, pathology); MICE; MONOGRAPH (mortality); PROGESTERONE (pharmacodynamics); PROLACTIN (pharmacodynamics); RATS; RECEPTORS, HORMONE; REVIEW; SOMATOTROPIN (pharmacodynamics); TISSUE CULTURE; VIRUS REPLICATION (drug effects).

### Mousseau M

[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL.)] Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

### Muck BR

EFFECT OF LONG TERM USE OF ORAL CONTRACEPTIVES ON GLUCOSE TOLERANCE. Muck BR *Arch Gynaecol* 220: 185-90, 5 Mar 76 (Eng) DL/76AUG460  
ADULT; AGE FACTORS; BLOOD SUGAR (metabolism); CONTRACEPTIVES, ORAL (pharmacodynamics); DIABETES MELLITUS (diagnosis); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INJECTIONS, INTRAVENOUS; TIME FACTORS.



**Mueller MC**

THE EFFECTS OF INSULIN AND GROWTH HORMONE ON THE RELEASE OF SOMATOMEDIN BY THE ISOLATED RAT LIVER. Daughaday WH, Phillips LS, Mueller MC *Endocrinology* 98: 1214-9, May 76 (Eng) DL/76AUG75

**Mukhopadhyay AK**

ESOPHAGEAL MOTOR DYSFUNCTION IN SYSTEMIC DISEASES. Mukhopadhyay AK, Graham DY *Arch Intern Med* 136: 583-8, May 76 (Eng) [79] DL/76AUG458

ACID-BASE IMBALANCE (complications); ALCOHOLISM (complications); COLLAGEN DISEASES (complications); DIABETES MELLITUS (complications); EPIDERMOLYSIS BULLOSA (complications); ESOPHAGEAL DISEASES (etiology); ESOPHAGUS (innervation, physiopathology, radiography); HUMAN; HYPOTHYROIDISM (complications); MANOMETRY; MOVEMENT; NEOPLASMS (complications); NEUROMUSCULAR DISEASES (complications); PRESSURE; REVIEW; SCLERODERMA, SYSTEMIC (complications); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H. ).

**Muller EE**

INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG. Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR; DIET; DOGS; FASTING; FEMALE; HYDROXYTRYPTOPHAN (pharmacodynamics); INSULIN (pharmacodynamics); MALE; P-CHLOROPHENYLALANINE (pharmacodynamics); PITUITARY GLAND (secretion); PITUITARY GLAND, ANTERIOR (secretion); SEROTONIN (physiology); SOMATOTROPIN (blood, secretion); TRYPTOPHAN (blood, pharmacodynamics).

**Muller WA**

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

**Mullins LJ**

ION SELECTIVITY OF CARRIERS AND CHANNELS. Mullins LJ *Biophys J* 15: 921-31, Sep 75 (Eng) \*DL/76AUG633

BIOLOGICAL TRANSPORT, ACTIVE; ELECTRIC CONDUCTIVITY; IONS; METALS, ALKALI; PERMEABILITY; POTASSIUM (metabolism); SODIUM (metabolism); WATER.

**Mulvehill JB**

GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA. Mulvehill JB, Hui YS, Barnes LD, Palumbo PJ, Dousa TP *J Clin Endocrinol Metab* 42: 380-4, Feb 76 (Eng) DL/76AUG143

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis, metabolism); ADENYL CYCLASE (antagonists & inhibitors, metabolism); ADRENERGIC BETA RECEPTOR AGONISTS (metabolism); ARGININE VASOPRESSIN (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; ELECTROLYTES (metabolism); GLUCAGON (pharmacodynamics); HUMAN; IN VITRO; ISOPROTERENOL (pharmacodynamics); KIDNEY MEDULLA (enzymology); KIDNEY (enzymology); PROPRANOLOL (pharmacodynamics); UNITED STATES

GOVERNMENT SUPPORTED, N.I.H. ); WATER (metabolism).

**Murai A**

[CONNECTIVE TISSUE AND AGING. (2) GLYCOSYLATION OF COLLAGEN AND AGING] Murai A, Miyahara T, Shiozawa S, Sanada K *Jpn J Geriatr* 12: 128-9, May 75 (Jpn) \*DL/76AUG734

ADOLESCENCE; ADULT; AGED; AGING; ANIMAL; CHILD; CHILD, PRESCHOOL; COLLAGEN (metabolism); CONNECTIVE TISSUE (metabolism); FEMALE; GALACTOSE (metabolism); GLUCOSE (metabolism); HUMAN; HYDROXYLYSINE (metabolism); MALE; MIDDLE AGE; RATS.

**Murase T**

INHIBITION OF LIPOPROTEIN LIPASE BY UREMIC PLASMA, A POSSIBLE CAUSE OF HYPERTRIGLYCERIDEMIA. Murase T, Catran DC, Rubenstein B, Steiner G *Metabolism* 24: 1279-86, Nov 75 (Eng) \*DL/76AUG745

ADIPOSE TISSUE (enzymology); ANIMAL; BLOOD PROTEINS (physiology); FATTY ACIDS, NONESTERIFIED (analysis); HEMODIALYSIS; HUMAN; HYPERLIPEMIA (blood); KINETICS; LIPOPROTEIN LIPASE (antagonists & inhibitors); MALE; RATS; SODIUM CHLORIDE (pharmacodynamics); TRIGLYCERIDES (blood); UREMIA (physiopathology).

**Murayama T**

X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS. Abe K, Matsuda I, Matsuura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

**Murer H**

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

**Musch K**

LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE. Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

**Muschek LD**

INTERACTION OF FOUR METHYLSXANTHINE COMPOUNDS AND NOREPINEPHRINE ON CARDIAC PHOSPHORYLASE ACTIVATION AND CARDIAC CONTRACTILITY. McNeill JH, Brenner MJ, Muschek LD *Recent Adv Stud Cardiac Struct Metab* 3: 261-73, 1973 (Eng) \*DL/76AUG795

**Myers TD**

PLASMA CORTICOSTERONE AND CARDIAC GLYCOGEN LEVELS IN RATS AFTER EXERCISE. Poland JL, Myers TD, Witorsch RJ, Brandt RB *Proc Soc Exp Biol Med* 150: 148-50, Oct 75 (Eng) \*DL/76AUG778

**Myrianthopoulos NC**

FACTORS AFFECTING RISKS OF CONGENITAL MALFORMATIONS. II. EFFECT OF MATERNAL DIABETES ON CONGENITAL MALFORMATIONS. Chung CS, Myrianthopoulos NC *Birth Defects* 11: 23-38, 1975 (Eng) [36] DL/76AUG8

**Myshkovskii VI**

[RADIOCHEMICAL CHANGES IN POLYMERS USED FOR PACKAGING DRUGS] PP. 159-69. Ivanov AI, Ponomarenko SI, Kovalchuk VM, Semenenko EI, Myshkovskii VI, I USON-Stienon JA, Leclercq G *InO Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Rus)* DL/76AUG185

**Nachemson A**

FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO. Maroudas A, Stockwell RA, Nachemson A, Urban JJ *Anat* 120: 113-30, Sep 75 (Eng) \*DL/76AUG706

**Nadkarni GB**

ADAPTIVE ALTERATIONS IN LACTOBACILLUS CASEI. GLUCONEOGENESIS IN CELLS GROWN ON RIBOSE. Pradhan PG, Nadkarni GB *Arch Biochem Biophys* 171: 65-9, Nov 75 (Eng) \*DL/76AUG898

**Naftalin RJ**

D-GALACTOSE ACCUMULATION IN RABBIT ILEUM. EFFECTS OF THEOPHYLLINE ON SEROSAL PERMEABILITY. Holman GD, Naftalin RJ *Biochim Biophys Acta* 406: 386-401, 17 Oct 75 (Eng) \*DL/76AUG630

**Nagasawa K**

METABOLIC AND CARDIOVASCULAR ABNORMALITIES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE. Vydén JK, Thörner J, Nagasawa K, Takano T, Groseth-Dittrich MF, Perlow R, Swan HJ *Am Heart J* 90: 703-8, Dec 75 (Eng) \*DL/76AUG604

**Nagatsu T**

CHARACTERIZATION OF PROTEIN KINASES FROM BOVINE PAROTID GLANDS. THE EFFECT OF TOLBUTAMIDE AND ITS DERIVATIVE ON THESE PARTIALLY PURIFIED ENZYMES. Kanamori T, Hayakawa T, Nagatsu T *Biochim Biophys Acta* 429: 147-62, 11 Mar 76 (Eng) DL/76AUG2

**Nagy P**

[CHANGES IN GLUCOSE-6-PHOSPHATE DEHYDROGENASE ACTIVITY IN THE HUMAN PLACENTA DURING PREGNANCY] Csaba I, Nagy P, Szabo I, Bucs G, Varga K *Zentralbl Gynaekol* 97: 714-7, 1975 (Ger) \*DL/76AUG866

**Nahapetian A**

EFFECTS OF 1,3-BUTANEDIOL AND 1,2-PROPANEDIOL ON BLOOD KETONE BODIES AND GLUCOSE IN SHEEP FED RESTRICTED DIETS. Emmanuel B, Nahapetian A *J Anim Sci* 41: 1468-73, Nov 75 (Eng) \*DL/76AUG523

**Naimark A**

CARDIAC AND METABOLIC EFFECTS OF DIBUTYRYL CYCLIC AMP IN THE INTACT DOG HEART AND THE ISOLATED PERFUSED RAT HEART. Dhalla NS, Chernecki W, Gandhi SS, McNamara DB, Naimark A *Recent Adv Stud Cardiac Struct Metab* 3: 233-50, 1973 (Eng) \*DL/76AUG793

**Nair KG**

RNA POLYMERASE AND ADENYL CYCLASE IN CARDIAC HYPERTROPHY AND CARDIOMYOPATHY. Nair KG, Umali T, Potts J *Recent Adv Stud Cardiac Struct Metab* 3: 479-87, 1973 (Eng) \*DL/76AUG801

ADENYL CYCLASE (metabolism); AGE FACTORS; AMANTININS (pharmacodynamics); ANIMAL EXPERIMENTS; DNA (metabolism); HAMSTERS; HEART ENLARGEMENT (enzymology, familial & genetic); MYOCARDIAL

## Diabetes Literature—Author Index

### Najarian JS

DISEASES, SECONDARY (enzymology, familial & genetic); MYOCARDIUM (metabolism); RNA POLYMERASE (metabolism, antagonists & inhibitors); RNA (metabolism).

### Najarian JS

ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES. Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220

### Nakamura H

EFFECT OF AGING ON LIPID METABOLISM. Goto Y, Nakamura H, Hata Y, Asano E, Takeuchi I *Keio J Med* 24: 49-57, Apr 75 (Eng) \*DL/76AUG735

### Nandan R

EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS. Nandan R, Fisher JD, Towery EP, Brown DR, Ganote E, Jennings RB *Atherosclerosis* 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924  
ANIMAL; AORTIC DISEASES (drug therapy, pathology); ARTERIOSCLEROSIS (drug therapy, pathology); CHOLESTEROL ESTERS (blood); CHOLESTEROL (blood); CORONARY DISEASE (pathology, drug therapy); DEXTROTHYROXINE (therapeutic use); FEMALE; HYPERLIPIDEMIA (drug therapy); LIPOPROTEINS, LDL (blood); MALE; TRIGLYCERIDES (blood).

### Nanjunda Rao R

ACID INHIBITION IN INSULIN TEST-A PRELIMINARY REPORT. Venkataraman MS, Balasubramanian V, Kanaka TS, Nanjunda Rao R *Indian J Physiol Pharmacol* 19: 207-12, Oct-Dec 75 (Eng) DL/76AUG119

### Nappi G

[INSULIN AVAILABILITY IN SOME FAMILIAL INHERITED NEUROLOGICAL SYNDROMES (AUTHORS TRANSL)] Fratino P, Kauchtschischvili G, Nappi G, Poloni M, Favino A, Criffo A *Riv Patol Nerv Ment* 95: 624-31, Oct 74 (Ita) DL/76AUG335

### Nass MM

STIMULATION OF 2-DEOXY-D-GLUCOSE TRANSPORT IN CONTROL AND VIRUS-TRANSFORMED CELLS BY ETHIDIUM BROMIDE. Soslaui G, Nass MM *J Cell Physiol* 86: 269-80, Oct 75 (Eng) \*DL/76AUG538

### Natale DL

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETER-TO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

### Naumann G

[TREATMENT OF HYPERTONUS IN DIABETES MELLITUS] Wedler B, Wustenbergh PW, Naumann G *Z Gesamte Inn Med* 30: 437-42, 1 Jul 75 (Ger) DL/76AUG380

### Nayler WG

A POSSIBLE EXPLANATION FOR THE PECULIAR CONTRACTILE BEHAVIOR DISPLAYED BY RAT HEART MUSCLE. Nayler WG, Dunnett J *Recent Adv Stud Cardiac Struct Metab* 5: 171-5, 1975 (Eng) \*DL/76AUG830  
ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; CALCIUM (metabolism); CELL-FREE SYSTEM; COMPARATIVE STUDY; GUINEA PIGS; MALE; MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIAL CONTRACTION; MYOCARDIUM (metabolism, ultrastructure);

RATS (physiology, metabolism); SARCOPLASMIC RETICULUM (metabolism, enzymology).

### Neerunjun ED

PENETRATION OF TARGET AREAS IN THE RAT BY LIPOSOME-ASSOCIATED BLEOMYCIN, GLUCOSE OXIDASE AND INSULIN. Dapergol G, Neerunjun ED, Gregoriadis G *FEBS Lett* 63: 235-9, 1 Apr 76 (Eng) DL/76AUG91

### Neff TA

TUBULOINTERSTITIAL AND GLOMERULAR NEPHRITIS ASSOCIATED WITH RIFAMPIN. REPORT OF A CASE. Gabow PA, Lacher JW, Neff TA *JAMA* 235: 2517-8, 7 Jun 76 (Eng) DL/76AUG209

### Nelius D

[CARDIOLOGICAL EMERGENCIES IN OLD AGE] Nelius D *Z Alternsforsch* 30: 87-94, 1975 (Ger) DL/76AUG378  
AGING; ANTICOAGULANTS (therapeutic use); ARRHYTHMIA (therapy); CARDIAC GLYCOSIDES (therapeutic use); CORONARY DISEASE (complications); DIURETICS (therapeutic use); ELECTROTHERAPY; GLOMERULAR FILTRATION RATE; GLUCAGON (therapeutic use); HEART DISEASES (etiology); HEART FAILURE, CONGESTIVE (etiology); HUMAN; POSTURE; PULMONARY EDEMA (therapy); PULMONARY EMBOLISM (therapy).

### Nelson PG

ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS. Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

### Nemeth S

EFFECT OF ELECTROCONVULSIVE THERAPY WITHOUT ANTICONVULSIVE PREMEDIATION ON SERUM GROWTH HORMONE IN MAN. Vigas M, Stowasserova N, Nemeth S, Jurcovicova J *Horm Res* 6: 65-70, 1975 (Eng) \*DL/76AUG691

### Nesterenko LN

[DIAGNOSIS AND TREATMENT OF INSULINOMA] Borovyj EM, Martyniuk IuM, Nesterenko LN, Syvyl Nlu *Vrach Delo* 90-1, Mar 74 (Rus) \*DL/76AUG861

### Neto OB

[EXPERIMENTAL PANCREATIC ALLOTRANSPLANTATION IN DOGS: BIOCHEMICAL ASPECTS AND EVOLUTION] Ellenbogen G, Raia AA, Zilberstein B, Pollara WM, Neto OB, Morimoto RY, Pinotti HW *Rev Hosp Clin Fac Med Sao Paulo* 30: 340-4, Jul-Aug 75 (Por) \*DL/76AUG841

### Neumann HO

METABOLISM AND ULTRASTRUCTURE IN OVARIES OF ALLOXAN-DIABETIC JUVENILE RATS. Stahler E, Neumann HO, Niethammer KM *Arch Gynaekol* 220: 199-208, 5 Mar 76 (Eng) DL/76AUG461

### Neumann I

[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE] Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

[DIAGNOSIS OF THE EARLY STAGES OF DIABETES AND PREVENTION OF DIABETES MANIFESTATIONS] Michaelis D, Neumann I, Schulz B *Z Gesamte Inn Med* 30: 42-4, May 75 (Ger) DL/76AUG386

### Neumcke B

THE ACTION OF UNCOUPLERS ON LIPID BILAYER MEMBRANES. Neumcke B *Membranes* 3: 215-53, 1975 (Eng) [71] \*DL/76AUG576  
ADSORPTION; ANIONS; BINDING SITES; CHEMISTRY; DIFFUSION; ELECTRIC CONDUCTIVITY; LIPIDS; MATHEMATICS; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; PHILIPPINES; REVIEW; UNCOUPLING AGENTS.

### Neureuther G

[EFFECT OF CLOFIBRATE ON GLUCOSE TOLERANCE AND INSULIN SECRETION IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA (AUTHORS TRANSL)] Schwandt P, Weissweiler P, Neureuther G, Wilkening J *Munch Med Wochenschr* 118: 351-4, 19 Mar 76 (Ger) DL/76AUG257

### Newcomer AD

PROSPECTIVE COMPARISON OF INDIRECT METHODS FOR DETECTING LACTASE DEFICIENCY. Newcomer AD, McGill DB, Thomas PJ, Hofman AF *N Engl J Med* 293: 1232-6, 11 Dec 75 (Eng) \*DL/76AUG752  
ADULT; AGED; ALCOHOL, ETHYL (diagnostic use); BLOOD SUGAR (analysis); BREATH TESTS (methods); CAPILLARIES; CARBON DIOXIDE (analysis); CARBON RADIOISOTOPES (diagnostic use); COMPARATIVE STUDY; FALSE NEGATIVE REACTIONS; FALSE POSITIVE REACTIONS; FEMALE; GALACTOSEMIA; HUMAN; HYDROGEN (analysis); LACTOSE INTOLERANCE (diagnosis); LACTOSE TOLERANCE TEST (methods); MALE; MIDDLE AGE; PROSPECTIVE STUDIES; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Newman R

THE GLUCOSE-INSULIN RATIO IN AMNIOTIC FLUID. Newman R, Tuteria G *Obstet Gynecol* 47: 599-601, May 76 (Eng) DL/76AUG279  
AMNIOTIC FLUID (analysis); FEMALE; FETAL DEATH (diagnosis); GLUCOSE (analysis); HUMAN; HYPOGLYCEMIA (chemically induced, diagnosis); INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (diagnosis); INSULIN (adverse effects, analysis); PREGNANCY IN DIABETES (metabolism); PREGNANCY; PROGNOSIS.

### Ng W

FRUCTOSE-INDUCED HYPERURICEMIA: OBSERVATIONS IN NORMAL CHILDREN AND IN PATIENTS WITH HEREDITARY FRUCTOSE INTOLERANCE AND GALACTOSEMIA. Kogut MD, Roe TF, Ng W, Nonnel GN *Pediatr Res* 9: 774-8, Oct 75 (Eng) \*DL/76AUG757

### Ng WG

MANITOL EXCRETION IN GALACTOSEMIA PATIENTS. Ng WG, Donnell GN, Bergren WR *Clin Chim Acta* 64: 39-44, 1 Oct 75 (Eng) \*DL/76AUG660  
ADENOSINE DIPHOSPHATE (blood); ADENOSINE TRIPHOSPHATE (blood); BLOOD SUGAR (metabolism); DULCITOL (urine); ERYTHROCYTES (metabolism); FRUCTOSE (metabolism); GALACTOSE (metabolism); GALACTOSEMIA (urine); HUMAN; MANNITOL (urine); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Nichaman MZ

EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS. Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

# Diabetes Literature—Author Index

Oakley DE

AGED; BLOOD PRESSURE; BLOOD SUGAR (analysis); CALIFORNIA; CEREBROVASCULAR DISORDERS (blood, mortality); CHOLESTEROL (blood); COMPARATIVE STUDY; CORONARY DISEASE (blood, mortality); HAWAII; HUMAN; JAPAN (ethnology); MALE; MIDDLE AGE; RISK; TRANSIENTS AND MIGRANTS; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; URIC ACID (blood).

## Nicholson JF

THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS. Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisiadis L, Hardy MA, Reemtsma K, Allen FH Jr *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

## Nicolalde AA

BIOCHEMICAL VALUES IN THE NORMAL AND HYPOTHERMIC BABOON PAPIO CYNOCEPHALUS/ANUBIS. Phillips CF, Nicolalde AA, Wolfson SK Jr *J Med Primatol* 4: 308-19, 1975 (Eng) \*DL/76AUG728

## Nielsen RC

EFFECT OF POLYCHLORINATED BIPHENYLS AND THIAMIN DEFICIENCY ON LIVER METABOLISM IN GROWING RATS. Berdani CD, Tobin RB, Nielsen RC, Mehlman MA, Veech RL *J Toxicol Environ Health* 1: 91-105, Sep 75 (Eng) \*DL/76AUG732

## Niemenen H

AUTOFLUORESCENCE OF THE HUMAN DIABETIC LENS IN VIVO. Helve J, Niemenen H *Am J Ophthalmol* 81: 493-4, Apr 76 (Eng) DL/76AUG436

## Niethammer KM

METABOLISM AND ULTRASTRUCTURE IN OVARIES OF ALLOXAN-DIABETIC JUVENILE RATS. Stahler E, Neumann HO, Niethammer KM *Arch Gynaecol* 220: 199-208, 5 Mar 76 (Eng) DL/76AUG461

## Nigam S

NEONATAL SEPSIS. Pierog S, Nigam S *Pediatr Ann* 5: 63-79, Feb 76 (Eng) DL/76AUG289

## Nikiforov AA

STRUCTURE AND ACTIVE TRANSPORT IN THE PLASMA MEMBRANE OF THE TUBULES OF FROG KIDNEY. Bresler VM, Bresler SE, Nikiforov AA *Biokhim Biophys Acta* 406: 526-37, 3 Nov 75 (Eng) \*DL/76AUG631

## Nik-Akhtar B

DIABETES MELLITUS FOLLOWING A MUMPS EPIDEMIC. Khakpour M, Nik-Akhtar B *J Trop Med Hyg* 78: 262-3, Dec 75 (Eng) DL/76AUG206

## Nikkila E

[INFECTION AND AUTOIMMUNE REACTION AS CAUSATIVE FACTORS OF DIABETES] Nikkila E *Diodecim* 91: 1511-4, 1975 (Fin) DL/76AUG64

ADOLESCENCE; AUTOIMMUNE DISEASES (complications); DIABETES MELLITUS (etiology, immunology); DIABETES MELLITUS, JUVENILE (etiology, immunology); HUMAN; INFECTION (complications); VIRUS DISEASES (complications).

## Ningth VN

ROLE OF ADRENALS IN THE VITAMIN A-MEDIATED INCREASE IN THE ACTIVITIES OF GLUCONEOGENIC ENZYMES OF RAT LIVER. Singh M, Ningth VN, Venkatasubramanian TA *Life Sci* 17: 859-65, 15 Sep 75 (Eng) \*DL/76AUG573

## Nitschkoff S

EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES. Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschkoff S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

## Nnanyelugo DO

THE RATES OF TISSUE PROTEIN SYNTHESIS IN VIVO IN HYPOPHYSCTOMIZED AND PAIR-FED CONTROL RATS. Millward DJ, Nnanyelugo DO, Chatterjee AK *Proc Nutr Soc* 34: 95a-96a, Sep 75 (Eng) \*DL/76AUG776

## Noack E

CALCIUM UPTAKE AND STORAGE IN ISOLATED HEART MITOCHONDRIA INFLUENCED BY SODIUM AND POTASSIUM IONS. Noack E, Greeff K *Recent Adv Stud Cardiac Struct Metab* 5: 165-70, 1975 (Eng) \*DL/76AUG829

ANIMAL; CALCIUM (metabolism); CELL-FREE SYSTEM; KINETICS; MITOCHONDRIA, MUSCLE (metabolism, drug effects); MYOCARDIUM (metabolism, ultrastructure); POTASSIUM (pharmacodynamics); RABBITS; SODIUM (pharmacodynamics).

## Nocenti MR

IN VITRO INFLUENCE OF STEROIDAL HORMONES ON PROTEIN AND GLUCOSE METABOLISM OF ISOLATED GRANULOMATOUS TISSUE CELLS. Hikawy I, Nocenti MR *Arch Int Pharmacodyn Ther* 217: 86-96, Sep 75 (Eng) \*DL/76AUG900

## Noer G

LP(ALPHA) LIPOPROTEIN AND PRE-BETA1-LIPOPROTEIN IN RELATION TO LIPID LEVELS IN MALES. Dahlen G, Berg K, Ericson C, Noer G *Acta Med Scand* 198: 263-7, Oct 75 (Eng) \*DL/76AUG877

## Nolan S

OBESITY. Danowski TS, Nolan S, Stephan T *World Rev Nutr Diet* 22: 270-9, 1975 (Eng) [18] \*DL/76AUG864

## Nonnel GN

FRUCTOSE-INDUCED HYPERURICEMIA: OBSERVATIONS IN NORMAL CHILDREN AND IN PATIENTS WITH HEREDITARY FRUCTOSE INTOLERANCE AND GALACTOSEMIA. Kogut MD, Roe TF, Ng W, Nonnel GN *Pediatr Res* 9: 774-8, Oct 75 (Eng) \*DL/76AUG757

## Norberg K

EFFECTS OF HYPOXIA OF 10-45 SECONDS DURATION ON ENERGY METABOLISM IN THE CEREBRAL CORTEX OF UNANESTHETIZED AND ANESTHETIZED RATS. Norberg K, Quistorff B, Siesjö BK *Acta Physiol Scand* 95: 301-10, NOV 75 (Eng) \*DL/76AUG876

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ANESTHESIA, GENERAL; ANIMAL EXPERIMENTS; CARBON DIOXIDE (blood, metabolism); CEREBRAL ANOXIA (metabolism); CEREBRAL CORTEX (metabolism, enzymology); DIHYDROXYACETONE PHOSPHATE (metabolism); FRUCTOSEPHOSPHATES (metabolism); GLUCOSEPHOSPHATES (metabolism); GLYCEROPHOSPHATES (metabolism); GLYCOLYSIS; OXYGEN CONSUMPTION; OXYGEN (blood); PARTIAL PRESSURE; PHOSPHOCREATINE (metabolism); PHOSPHOFRUCTOKINASE (metabolism); RATS; TIME FACTORS.

## Nord-Wurttemberg KV

[DIRECTED LABORATORY DIAGNOSIS FOR THE GENERAL PRACTITIONER] Nord-Wurttemberg KV ZFA 52: 285-303, 29 Feb 76 (Ger) DL/76AUG392

DIABETES MELLITUS (diagnosis); DIAGNOSIS, LABORATORY; GENERAL PRACTICE; HUMAN; KIDNEY DISEASES (diagnosis); LIVER DISEASES (diagnosis); PATIENT CARE PLANNING.

## Norwich KH

THE GLUCOSE CONTROL MECHANISM VIEWED AS A REGULATOR. Zelin S, Norwich KH, Hetenyi G *Med Biol Eng* 13: 503-8, Jul 75 (Eng) \*DL/76AUG566

## THE DEVELOPMENT OF A GLUCOSE CLAMP.

Norwich KH, Fluker G, Anthony J, Popescu I, Pagurek B, Hetenyi G Jr *Metabolism* 24: 1221-30, Nov 75 (Eng) \*DL/76AUG744

ANIMAL; BLOOD SUGAR (metabolism); DOGS; EVALUATION STUDIES; KINETICS; MATHEMATICS; METHODS; MODELS; BIOLOGICAL.

## Nosadini R

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS. Del Prete GF, Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

## Notkins AL

VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS. Yoon JW, Notkins AL *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

## Novin D

PARADOXICAL INCREASED FEEDING FOLLOWING GLUCOSE INFUSIONS IN RECOVERED LATERAL RATS. Novin D, Gonzalez MF, Sanderson JD *Am J Physiol* 230: 1084-9, Apr 76 (Eng) DL/76AUG438

ANIMAL EXPERIMENTS (analysis); BRAIN (pathology); FEEDING BEHAVIOR (physiology); FEMALE; GLUCOSE (pharmacodynamics); HYPOTHALAMUS (physiology); INSULIN (physiology); RATS; TUBE FEEDING; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VAGUS NERVE (physiology).

## Nunn AS

SUGAR TRANSPORT BY INTESTINE. ESCAPE OF GALACTOSE FROM PRELOADED MUCOSA OF HAMSTER JEJUNUM. Baker RD, Lo CS, Nunn AS *Biokhim Biophys Acta* 401: 429-39, 2 Sep 75 (Eng) \*DL/76AUG625

## Nykodym P

[WORKING DIABETICS AND THEIR ACTIVITY IN THE THERAPEUTIC PROCESS (AUTHORS TRANSL)] Dub O, Brozek I, Nykodym P *Cas Lek Cesk* 115: 330-4, 19 Mar 76 (Cze) DL/76AUG27

## Oakley DE

GLYCEROL AND HYPEROSMOLAR NON-KETOTIC COMA. Oakley DE, Ellis PP *Am J Ophthalmol* 81: 469-72, Apr 76 (Eng) DL/76AUG435

ADULT; ALBUMINS (therapeutic use); BICARBONATES (therapeutic use); CASE REPORT; COMA (drug therapy); DIURESIS; ERYTHROCYTES; GLAUCOMA (drug therapy); GLYCERIN (adverse effects, therapeutic use); HUMAN; HYPOTONIC SOLUTIONS; INSULIN (therapeutic use); KETONE BODIES (blood); KIDNEY FAILURE, CHRONIC (chemically induced); MALE; OSMOLAR CONCENTRATION; SODIUM CHLORIDE (therapeutic use).

## Oakley NW

### Oakley NW

**EFFECT OF FRACTIONATED INSULINS ON TOTAL PLASMA INSULIN BINDING CAPACITY AND INSULIN REQUIREMENTS IN SEVERE DIABETES.** Oakley NW *Lancet* 1: 994-6, 8 May 76 (Eng) DL/76AUG233  
**ADULT; AGED; ANIMAL EXPERIMENTS (analysis); BINDING SITES; ANTIBODY; BLOOD SUGAR (analysis); COMPARATIVE STUDY; DIABETES MELLITUS (blood, drug therapy); DOSE-RESPONSE RELATIONSHIP; DRUG; DRUG RESISTANCE; FEMALE; FOLLOW-UP STUDIES; GUINEA PIGS; HUMAN; INSULIN (administration & dosage, immunology, therapeutic use); MALE; MIDDLE AGE; RABBITS; SWINE; TIME FACTORS.**

### Oancea D

**CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT.** Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatu MA, Voiosu R, Cucu F, Suci A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

### Oates JA

**INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS.** Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

### Obaidullah S

**COMPARATIVE STUDY OF GLIBENCLAMIDE & CHLORPROPAMIDE IN NEWLY DIAGNOSED MATURITY ONSET DIABETICS.** Haider Z, Obaidullah S, Fayyaz-ud-Din *JPMA* 26: 23-6, Feb 76 (Eng) DL/76AUG210

### O'Brien WE

**ISOLATION AND CHARACTERIZATION OF A PYROPHOSPHATE-DEPENDENT FROM PROPRIONIBACTERIUM SHERMANII.** O'Brien WE, Bowlen S, Wood HG *J Biol Chem* 250: 8690-5, 25 Nov 75 (Eng) \*DL/76AUG716  
**ENZYME ACTIVATION (drug effects); KINETICS; MAGNESIUM (pharmacodynamics); MANGANESE (pharmacodynamics); MOLECULAR WEIGHT; PHOSPHOFRUCTOKINASE (metabolism, isolation & purification); PROPIONIBACTERIUM (enzymology, drug effects); PYROPHOSPHATES (pharmacodynamics); STRUCTURE-ACTIVITY RELATIONSHIP; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.**

### O'Connor JT Jr

**EQUINE SERUM LIPIDS: SERUM LIPIDS AND GLUCOSE IN MORGAN AND THOROUGHBRED HORSES AND SHETLAND PONIES.** Robie SM, Janson CH, Smith SC, O'Connor JT Jr *Am J Vet Res* 36: 1705-8, Dec 75 (Eng) \*DL/76AUG612

### Odakura T

**[HISTOCHEMICAL STUDY OF MEDIUM-CHAIN, NEUTRAL FAT, GLUCOSE AND IRON UPTAKE IN THE INTESTINAL-TYPE EPITHELIAL CELLS OF THE GASTRIC MUCOSA]** Katsu K, Maeyama H, Odakura T *Jpn J Gastroenterol* 72: 838-45, Jul 75 (Jpn) \*DL/76AUG560

### ODoherty PJ

**GLYCEROLIPID BIOSYNTHESIS IN ISOLATED RAT INTESTINAL EPITHELIAL CELLS.** ODoherty PJ, Kuksis A *Can J Biochem* 53: 1010-9, Sep 75 (Eng) \*DL/76AUG651

## Diabetes Literature—Author Index

**ANIMAL; EPITHELIAL CELLS (metabolism, ultrastructure); FATTY ACIDS, NONESTERIFIED (biosynthesis); GLUCOSE (metabolism); GLYCERIDES (biosynthesis, metabolism); GLYCERIN (metabolism); GLYCOLYSIS; INTESTINAL MUCOSA (metabolism); JEJUNUM (metabolism); KINETICS; MALE; OLEIC ACIDS (metabolism); PALMITIC ACIDS (metabolism); PHOSPHOLIPIDS (biosynthesis); RATS.**

### Oelz O

**INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS.** Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

### Offer NW

**THE SYNERGISTIC EFFECT OF DIETARY CARBOHYDRATES ON THE PASSAGE OF AMINO ACIDS TO THE SMALL INTESTINE OF THE SHEEP.** Offer NW, Evans RA, Oxford RF *Proc Nutr Soc* 34: 67a-68a, Sep 75 (Eng) \*DL/76AUG770

**AMINO ACIDS (metabolism); ANIMAL; BACTERIAL PROTEINS (metabolism); DIETARY CARBOHYDRATES; DIGESTION; DUODENUM (physiology); MALE; PAPER; SHEEP; STARCH (pharmacodynamics); STOMACH, RUMINANT (physiology, microbiology).**

### Ogden TE

**THE ELECTRORETINOGRAPH AFTER PERIPHERAL RETINAL ABLATION IN DIABETIC RETINOPATHY.** Ogden TE, Callahan F, Rieckhoff FT *Am J Ophthalmol* 81: 397-402, Apr 76 (Eng) DL/76AUG434  
**ARGON; DIABETIC RETINOPATHY (surgery); ELECTRORETINOGRAPHY; HUMAN; LASER COAGULATION; LIGHT COAGULATION; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; XENON.**

### Ohsawa N

**RADIORECEPTOR ASSAY FOR INSULIN.** Suzuki K, Ohsawa N, Kosaka K *J Clin Endocrinol Metab* 42: 399-402, Feb 76 (Eng) DL/76AUG144

### Oka T

**POLYAMINE TRANSPORT AND METABOLISM IN MOUSE MAMMARY GLAND. GENERAL PROPERTIES AND HORMONAL REGULATION.** Kano K, Oka T *J Biol Chem* 251: 2795-800, 10 May 76 (Eng) DL/76AUG135

### Okada Y

**[PROPRANOLOL-GLUCAGON LOADING TEST]** Okada Y, Watanabe K, Hata T, Kumahara Y *Jpn J Clin Med* 34: 410-3, 10 Feb 76 (Jpn) DL/76AUG211

**ADOLESCENCE; CHILD; CHILD, PRESCHOOL; GLUCAGON (diagnostic use); HUMAN; INFANT; PROPRANOLOL (diagnostic use); SOMATOTROPIN (blood).**

### Okita GT

**ROLE OF NA&K-ATPASE-ACTIVATED ADENOSINE TRIPHOSPHATASE IN THE TRANSMEMBRANE TRANSPORT OF K& AND NA&: RELATIONSHIPS TO THE INOTROPIC AND ELECTROPHYSIOLOGIC EFFECTS OF DIGITALIS.** Ten Eick RE, Bassett AL, Okita GT *Recent Adv Stud Cardiac Struct Metab* 4: 107-17, 1974 (Eng) \*DL/76AUG816

### Okuno A

**X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS.** Abe K, Matsuda I, Matsuura N, Mu-

rayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

### Oldani C

**EXPERIMENTAL ATHEROSCLEROSIS IN THE RAT: BIOCHEMICAL EVALUATION.** Testa R, Canestrini C, Oldani C *J Pharm Pharmacol* 27: 699-700, Sep 75 (Eng) \*DL/76AUG725

### Oldewurtel HA

**CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS.** Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357

### Olefsky JM

**INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET.** Ginsberg H, Olefsky JM, Kimmerling G, Crapo P, Reaven GM *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145

**DECREASED INSULIN BINDING TO ADIPOCYTES AND CIRCULATING MONOCYTES FROM OBESE SUBJECTS.** Olefsky JM *J Clin Invest* 57: 1165-72, May 76 (Eng) DL/76AUG149

**ADIPOSE TISSUE (metabolism); ADULT; BINDING SITES; BODY SURFACE AREA; BODY WEIGHT; FASTING; HUMAN; IN VITRO; INSULIN (metabolism); KINETICS; MIDDLE AGE; MONOCYTES (metabolism); OBESITY (metabolism); PROTEIN BINDING; RECEPTORS, HORMONE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.).**

**EFFECTS OF GLUCOCORTICOIDS ON CARBOHYDRATE METABOLISM.** Olefsky JM, Kimmerling G *Am J Med Sci* 271: 202-10, Mar-Apr 76 (Eng) DL/76AUG430

**ANIMAL EXPERIMENTS (analysis); CASE REPORT; DIABETES MELLITUS (complications); GLUCOCORTICOID (pharmacodynamics); GLUCOSE (metabolism); GRAFT REJECTION; HUMAN; HYPERGLYCEMIA (chemically induced); INSULIN RESISTANCE; INSULIN (metabolism); KIDNEY FAILURE, CHRONIC (complications); KIDNEY (transplantation); MALE; MIDDLE AGE; PREDNISOLONE (adverse effects, therapeutic use); RATS; RECEPTORS, HORMONE (drug effects).**

### Oleinikov NI

**[THE XYY SYNDROME (BRIEF CLINICO-MORPHOLOGIC CHARACTERISTICS)]** Marinina GP, Blagoveshchenskaya TA, Oleinikov NI *Zh Nevropatol Psikhiatr* 76: 413-6, 1976 (Rus) DL/76AUG394

### Olivercra T

**BINDING OF CARDIOLIPIN/LECITHIN AND MONOAMINE OXIDASE TO LIPID-DEPLETED MITOCHONDRIAL MEMBRANE STRUCTURE.** Ekstedt B, Olivercra T, Oreland L *Arch Biochem Biophys* 171: 170-5, Nov 75 (Eng) \*DL/76AUG896

### Oliver JM

**MEMBRANE TRANSPORT OF PURINE AND PYRIMIDINE BASES AND NUCLEOSIDES IN ANIMAL CELLS.** Berlin RD, Oliver JM *Int Rev Cytol* 42: 287-336, 1975 (Eng) [122] \*DL/76AUG520

### Olivier C

**[INDICATIONS AND RESULTS OF SURGICAL TREATMENT OF DIABETIC ARTERIOPATHY (APPROPOS OF 196 CASES)]** Levy JB, Rettori R, Olivier C *J Chir (Paris)* 110: 547-50, Dec 75 (Fre) DL/76AUG138



## Diabetes Literature—Author Index

Ostretsova IB

### Olson RE

**THE CONTROL OF ENERGY PRODUCTION AND UTILIZATION IN CARDIAC MUSCLE.** Olson RE, Barnhorst DA *Recent Adv Stud Cardiac Struct Metab* 3: 11-30, 1973 (Eng) \*DL/76AUG788

ADENINE NUCLEOTIDES (metabolism); ANIMAL; ANOXIA (metabolism); CALCIUM (metabolism); DOGS; ENERGY METABOLISM; GLUCOSE (metabolism); HEART FAILURE; CONGESTIVE (metabolism); IN VITRO; MALE; MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIAL CONTRACTION; MYOCARDIUM (metabolism, ultrastructure); PHOSPHOCREATINE (metabolism); RATS; SARCOPLASMIC RETICULUM (metabolism); STARVATION (metabolism).

### Omae T

**EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN.** Ueda K, Omae T, Hirota Y, Takeshita M, Hiyoshi Y *J Chron Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

### Onegova RF

**[ULTRASTRUCTURE OF THE STRIA VASCULARIS OF THE COCHLEA IN ALLOXAN DIABETES]** Kozlov Mla, Onegova RF, Petrov VS, Sokoloverova IM *Zh Ushn Nos Gori Bolezn* 36-40, Mar-Apr 76 (Rus) DL/76AUG393

### O'Neill JP

**PROSTAGLANDIN E1 INDUCED CHANGES IN CYCLIC AMP LEVELS IN WI-38 HUMAN FIBROBLASTS. TWO DIFFERENT EFFECTS OF CELL DENSITY.** O'Neill JP, Hsie AW *Biochim Biophys Acta* 404: 243-5, 9 Oct 75 (Eng) \*DL/76AUG628

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); CELL COUNT; CELL LINE; FIBROBLASTS (metabolism); KINETICS; PROSTAGLANDINS E (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Oratz M

**PROTEIN DEGRADATION IN ACUTE CARDIAC LOADING: THE PROBLEM OF REUTILIZATION OF AMINO ACIDS.** Schreiber SS, Oratz M, Klein I, Rothschild MA *Recent Adv Stud Cardiac Struct Metab* 3: 589-601, 1973 (Eng) \*DL/76AUG806

### Orci L

**[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ISLETS OF LANGERHANS IN EXPERIMENTAL DIABETES]** Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 282: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

ANIMAL EXPERIMENTS (analysis); DIABETES MELLITUS (metabolism, pathology); ENGLISH ABSTRACT; GLUCAGON (metabolism); INSULIN (metabolism); ISLANDS OF LANGERHANS (cytology, metabolism); RATS; SOMATOTROPIN RELEASE INHIBITING HORMONE (metabolism); STREPTOZOTOCIN.

**[IMMUNOCYTOCHEMICAL IDENTIFICATION OF THE GLUCAGON-SECRETING CELLS IN GASTRIC MUCOSA]** Baetens D, Rufenner C, Unger RH, Renold AE, Orci L *C R Acad Sci [D] (Paris)* 282: 195-7, 12 Jan 76 (Fre) DL/76AUG39

**IDENTIFICATION OF GLUCAGON-PRODUCING CELLS (A CELLS) IN DOG GASTRIC MUCOSA.** Baetens D, Rufenner C, Srikanth BC, Dobbs R, Unger R, Orci L *J Cell Biol* 69: 455-64, May 76 (Eng) DL/76AUG137

**HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN**

**DIABETES.** Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

ADULT; ANIMAL EXPERIMENTS (analysis); DIABETES MELLITUS, JUVENILE (pathology); FEMALE; GLUCAGON; HUMAN; HYPERPLASIA; HYPERTROPHY; INSULIN; ISLANDS OF LANGERHANS (pathology); MALE; RATS; SOMATOTROPIN RELEASE INHIBITING HORMONE; STREPTOZOTOCIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

### Ordynski J

**[ABSOLUTE VALUE OF EOSINOPHILS IN A CUBE MILLIMETER OF PERIPHERAL BLOOD FOLLOWING GLUCAGON LOADING]** Jablonska-Ulbrich A, Ordynski J *Pediatr Pol* 51: 391-6, Apr 76 (Pol) DL/76AUG290

### Oreland L

**BINDING OF CARDIOLIPIN/LECITHIN AND MONOAMINE OXIDASE TO LIPID-DEPLETED MITOCHONDRIAL MEMBRANE STRUCTURE.** Ekstedt B, Olivecrona T, Oreland L *Arch Biochem Biophys* 171: 170-5, Nov 75 (Eng) \*DL/76AUG896

### Orishimo MW

**REGULATION OF RATE OF LACTATE OXIDATION BY THE HEART.** Wherret AF, Orishimo MW *Recent Adv Stud Cardiac Struct Metab* 3: 31-38, 1973 (Eng) \*DL/76AUG798

### Orlando G

**[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS]** Rusconi C, Arosio G, Orlando G, Petroni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardioangiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275

**[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERINSULINISM AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS]** Rusconi C, Cicogna R, Orlando G, Guerra U, Peroni A *Minerva Cardioangiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

### Orly J

**FATTY ACIDS AS MODULATORS OF MEMBRANE FUNCTIONS: CATECHOLAMINE-ACTIVATED ADENYLATE CYCLASE OF THE TURKEY ERYTHROCYTE.** Orly J, Schramm M *Proc Natl Acad Sci USA* 72: 3433-7, Sep 75 (Eng) \*DL/76AUG763

ADENYL CYCLASE (metabolism); ANIMAL; CELL MEMBRANE (enzymology, drug effects); DRUG SYNERGISM; ENZYME ACTIVATION (drug effects); ERYTHROCYTES (enzymology, ultrastructure, drug effects); FATTY ACIDS (pharmacodynamics); GUANOSINE TRIPHOSPHATE (pharmacodynamics, analogs & derivatives); ISOPROTERENOL (pharmacodynamics); STRUCTURE-ACTIVITY RELATIONSHIP; TEMPERATURE; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Oronsky AL

**IN VIVO CHEMOTAXIS OF RAT LEUKOCYTES IN THE PRESENCE OF CIRCULATING CHYLOMICRONS.** Perper RJ, Oronsky AL, Sanda M, Stecher VJ *Atherosclerosis* 22: 257-69, Sep-Oct 75 (Eng) \*DL/76AUG923

### Orsetti A

**[CHAINS A AND B, CIRCULATING FRACTIONS OF INSULIN]** Orsetti A *Pathol Biol (Paris)* 23: 849-52, Dec 75 (Fre) DL/76AUG284

ANIMAL EXPERIMENTS (analysis); CROSS REACTIONS; DOGS; ENGLISH ABSTRACT; HUMAN; HYPERTHYROIDISM (metabolism); INSULIN ANTIBODIES; INSULIN (metabolism,

physiology); PEPTIDE FRAGMENTS (analysis, physiology); THYROXINE (pharmacodynamics).

**[CONTINUOUS STUDY OF RAPIDLY FLUATATING PARAMETERS IN THE STUDY OF GLUCOREGULATION]** Collard F, Orsetti A, Mirouze J *Pathol Biol (Paris)* 23: 747-52, Nov 75 (Fre) DL/76AUG286

**[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL]** Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

### Osorio J

**DAILY VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS.** Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113

### Oster KA

**EVALUATION OF SERUM CHOLESTEROL REDUCTION AND XANTHINE OXIDASE INHIBITION IN THE TREATMENT OF ATHEROSCLEROSIS.** Oster KA *Recent Adv Stud Cardiac Struct Metab* 3: 73-80, 1973 (Eng) \*DL/76AUG810

ADULT; AGED; ANTICHOLESTEREMIC AGENTS (pharmacodynamics); ARTERIOSCLEROSIS (drug therapy); ATHEROSCLEROSIS (drug therapy, blood); CHOLESTEROL (blood); FEMALE; FOLIC ACID (pharmacodynamics); HUMAN; MALE; MIDDLE AGE; MILK PROTEINS (metabolism); MILK (adverse effects); URIC ACID (blood); XANTHINE OXIDASE (antagonists & inhibitors, metabolism, blood).

### Ostman J

**SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE.** Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman J *J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

### Ostrander LD

**DIABETES AMONG MEN IN A GENERAL POPULATION. PREVALENCE AND ASSOCIATED PHYSIOLOGICAL FINDINGS.** Ostrander LD, Lamphiear DE, Block WD *Arch Intern Med* 136: 415-20, Apr 76 (Eng) DL/76AUG456

ADULT; AGE FACTORS; AGED; BLOOD PRESSURE; CHOLESTEROL (blood); DIABETES MELLITUS (blood, occurrence); HUMAN; INSULIN (blood); MALE; MIDDLE AGE; OBESITY IN DIABETES (occurrence); SEX FACTORS; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

### Ostrander LD Jr

**CORONARY RISK FACTORS IN A COMMUNITY. FINDINGS IN TECUMSEH, MICHIGAN.** Ostrander LD Jr, Lamphiear DE *Circulation* 53: 152-6, Jan 76 (Eng) \*DL/76AUG478

ADULT; AGE FACTORS; BLOOD PRESSURE; BLOOD SUGAR; CHOLESTEROL (blood); CORONARY DISEASE (occurrence); FEMALE; HUMAN; MALE; MICHIGAN; MIDDLE AGE; OBESITY; PROSPECTIVE STUDIES; RISK; SEX FACTORS; TRIGLYCERIDES (blood).

### Ostretsova IB

**[PRESENCE AND LOCALIZATION OF GLUCOSE-BINDING PROTEINS IN THE TONGUE]** Ostretsova IB, Safarian Ek, Etingof RN *Dokl Akad Nauk SSSR* 223: 1484-7, 21 Aug 75 (Rus) \*DL/76AUG494

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### Oviasu VO

ANIMAL EXPERIMENTS; CATTLE; CELL MEMBRANE (analysis); GLUCOSE (metabolism); IN VITRO; PROTEIN BINDING; PROTEINS (analysis); RECEPTORS, DRUG; TONGUE (analysis).

### Oviasu VO

DIURNAL VARIATION OF ORAL GLUCOSE TOLERANCE IN A TROPICAL ENVIRONMENT. *Oviasu VO J Trop Med Hyg* 79: 54-7, Mar 76 (Eng) DL/76AUG207  
ADULT; AGE FACTORS; BLOOD SUGAR (analysis); BODY WEIGHT; CIRCADIAN RHYTHM; DIURNAL RHYTHM; GLUCOSE TOLERANCE TEST; HUMAN; MALE; MIDDLE AGE; NIGERIA; TROPICAL CLIMATE.

### Owens K

HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA. Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG13

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA&S TRANSPORT, AND CA&S-STIMULATED ATPASE. Owens K, Ruth RK, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL; BINDING SITES; CALCIUM (metabolism); CHOLESTEROL (metabolism); HAMSTERS; LIPIDS (metabolism); MITOCHONDRIA, MUSCLE (metabolism); MUSCULAR DYSTROPHY (metabolism); MYOCARDIAL DISEASES, PRIMARY (metabolism, familial & genetic, enzymology); PHOSPHOLIPIDS (metabolism); SARCOPLASMIC RETICULUM (metabolism, enzymology).

### Oyama JH

NUTRITIONAL ASPECTS OF CARDIOVASCULAR RENAL DISEASES. Kark RM, Oyama JH *Prog Food Nutr Sci* 1: 611-44, 1975 (Eng) [150] DL/76AUG331

### Ozawa K

CHANGES IN ADENYLATE ENERGY CHARGE OF THE LIVER AFTER AN ORAL GLUCOSE LOAD. Kimura K, Kamiyama Y, Ozawa K, Honjo I *Gastroenterology* 70: 665-8, May 76 (Eng) DL/76AUG100

### Pacanis A

EFFECTS OF MALEATE ON RENAL CARBOHYDRATE METABOLISM IN VIVO AND IN VITRO. Rogulski J, Strzelecki T, Pacanis A, Kaminska E, Angielski S *Curr Probl Clin Biochem* 4: 106-10, 1975 (Eng) \*DL/76AUG483

### Pachinger O

MITOCHONDRIAL FUNCTION AND EXCITATION-CONTRACTION COUPLING IN THE DEVELOPMENT OF ALCOHOLIC CARDIOMYOPATHY. Pachinger O, Mao J, Fauvel JM, Bing RJ *Recent Adv Stud Cardiac Struct Metab* 5: 423-9, 1975 (Eng) \*DL/76AUG834

ADENINE NUCLEOTIDES (metabolism); ALCOHOLISM (physiopathology, metabolism, complications); ANIMAL EXPERIMENTS; BINDING SITES; CALCIUM (metabolism); DISEASE MODELS, ANIMAL; DOGS; ISOCTRATE DEHYDROGENASE (metabolism); MITOCHONDRIA, MUSCLE (enzymology, metabolism); MYOCARDIAL CONTRACTION; MYOCARDIAL DISEASES, PRIMARY (physiopathology, metabolism, chemically induced); MYOCARDIUM (ultrastructure); OXYGEN CONSUMPTION; PHOSPHOCREATINE (metabolism); SARCOPLASMIC RETICULUM (metabolism).

### Packer L

OSCILLATORY STATES OF MITOCHONDRIA. INFLUENCE OF UNSATURATED FATTY ACID COMPOSITION. Williams MA, Katyare S, Packer L *Arch Biochem Biophys* 170: 353-9, Oct 75 (Eng) \*DL/76AUG895

### Pagano D

REGULATION OF PLATELET PHOSPHORYLASE. Chaiken R, Pagano D, Detwiler TC *Biochim Biophys Acta* 403: 315-25, 22 Oct 75 (Eng) \*DL/76AUG627

### Page M

LETTER: AUTONOMIC DYSFUNCTION IN DIABETIC KETOACIDOSIS. Page M, Watkins PJ *Lancet* 1: 963, 1 May 76 (Eng) DL/76AUG230  
ACIDOSIS, DIABETIC (complications, physiopathology); AUTONOMIC DYSFUNCTION (etiology); HEART CONDUCTION SYSTEM (physiopathology); HUMAN; VAGUS NERVE (physiopathology).

### Pagurek B

THE DEVELOPMENT OF A GLUCOSE CLAMP. Norwich KH, Fluker G, Anthony J, Popescu I, Pagurek B, Hetenyi G Jr *Metabolism* 24: 1221-30, Nov 75 (Eng) \*DL/76AUG744

### Paige DM

INTOLERANCE OF EIGHT OUNCES OF MILK IN HEALTHY LACTOSE-INTOLERANT TEEN-AGERS. Mitchell KJ, Bayless TM, Paige DM, Goodgame RW, Huang SS *Pediatrics* 56: 718-21, Nov 75 (Eng) \*DL/76AUG581

### Pain RW

LETTER: AETIOLOGY OF HYPONATREMIA. Phillips PJ, Pain RW *Med J Aust* 1: 132, 31 Jan 76 (Eng) DL/76AUG251

### Palkoska F

STUDY OF METABOLISM IN RECONSTRUCTIVE OPERATIONS FOR DUMPING SYNDROME [Schober KL, Palkoska F, Viiachki I, Hanke P, Schultz K *Khirurgiia (Sofia)* 28: 122-6, 1975 (Bul) DL/76AUG214]

### Palm JD

BENEFITS OF DIETARY FRUCTOSE IN ALLEVIATING THE HUMAN STRESS RESPONSE. PP. 54-72. Palm JD *Int J Leases A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p* 1974. (Eng) DL/76AUG170

ADULT; BLOOD SUGAR (metabolism); CATECHOLAMINES (urine); CHOLESTEROL (blood); DIETARY CARBOHYDRATES (therapeutic use); FRUCTOSE (metabolism, therapeutic use); GLUCOSE (metabolism); HUMAN; HYPOGLYCEMIA (diet therapy, prevention & control, urine); INSULIN (secretion); MONOGRAPH (mortality); STRESS (diet therapy, prevention & control, urine); SUCROSE (metabolism); TRIGLYCERIDES (blood); VANILMANDELIC ACID (urine).

### Palmer JE

EFFECT OF NEONATAL DECEREBRATION ON THERMOGENESIS DURING STARVATION AND COLD EXPOSURE IN THE RAT. Bignall KE, Heggeness FW, Palmer JE *Exp Neurol* 49: 174-88, Oct 75 (Eng) \*DL/76AUG679

### Palumbo PJ

GLUCAGON-SENSITIVE ADENYLATE CYCLASE IN HUMAN RENAL MEDULLA. Mulvehill JB, Hui YS, Barnes LD, Palumbo PJ, Dousa TP *J Clin Endocrinol Metab* 42: 380-4, Feb 76 (Eng) DL/76AUG143

### Palummeri E

[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palummeri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

[DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE I. COMPARISON OF THE 2 DIAGNOSTIC METHODS] Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Palummeri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99

### Panchenko LF

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. I. ISOLATION AND GENERAL CHARACTERISTICS. Fedotov NS, Panchenko LF, Logachev AP, Bekkouzhin AG, Tarshis MA *Folia Microbiol (Praha)* 20: 470-9, 1975 (Eng) \*DL/76AUG512

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. II. KINETIC CHARACTERISTICS AND SPECIFICITY OF GLUCOSE TRANSPORT SYSTEM. Panchenko LF, Fedotov NS, Tarshis MA *Folia Microbiol (Praha)* 20: 480-7, 1975 (Eng) \*DL/76AUG513

ACHOLEPLASMA LAIDLAWII (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; CELL MEMBRANE (metabolism); DEOXYGLUCOSE (metabolism); GLUCOSE (metabolism); KINETICS; MALTOSE (metabolism); METHYLGLUCOSIDES (metabolism); PHILIPPINES; SUBCELLULAR FRACTIONS; TEMPERATURE.

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. III. EVIDENCE OF ACTIVE NATURE OF GLUCOSE TRANSPORT. Fedotov NS, Panchenko LF, Tarshis MA *Folia Microbiol (Praha)* 20: 488-95, 1975 (Eng) \*DL/76AUG514

### Panerai A

INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG. Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

### Panerai AE

[CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavagnini F, Peracchi M, Panerai AE, Pinto M *Quad Sclavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328

### Pankow D

[ADAPTATION OF RATS FOLLOWING SODIUM-NITRITE-INDUCED METHEMOGLOBINEMIA] Pankow D, Ponsold W, Liedke MD, Gessner G, Pfordte A *Acta Biol Med Ger* 34: 1205-9, 1975 (Ger) \*DL/76AUG597

ADAPTATION, PHYSIOLOGICAL; ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); ENGLISH ABSTRACT; ERYTHROCYTES (enzymology); HEMOGLOBINS (metabolism); LEUCINE AMINOPEPTIDASE (blood); MALE; METHEMOGLOBIN REDUCTASE (blood); METHEMOGLOBINEMIA (blood, enzymology); NITRITES; RATS.

### Pannier M

[ADAPTATION OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL)] Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

Panov AV

THE POSSIBLE ROLE OF PALMITOYL-COA IN THE REGULATION OF THE ADENINE NUCLEOTIDES TRANSPORT IN MITOCHONDRIA UNDER DIFFERENT METABOLIC STATES. I. COMPARISON OF LIVER MITOCHONDRIA FROM STARVED AND FED RATS. Panov AV, Konstantinov YM, Lyakhovich VV *J Bioenerg* 7: 75-85, May 75 (Eng) \*DL/76AUG714

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL; APYRASE (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; COENZYME A (pharmacodynamics); KINETICS; MEMBRANES (metabolism, drug effects); MITOCHONDRIA, LIVER (metabolism, drug effects); PALMITIC ACIDS (pharmacodynamics); RATS; STARVATION (metabolism).

Papa S

CHARGE SEPARATION AND ENERGY TRANSFER IN THE MITOCHONDRIAL MEMBRANE. Papa S, Guerrrieri F, Lorusso M *Biophys J* 15: 963-7, Sep 75 (Eng) \*DL/76AUG638

ANIMAL; BIOLOGICAL TRANSPORT; CATTLE; CYTOCHROME C (metabolism); CYTOCHROME OXIDASE (metabolism); ELECTRON TRANSPORT; ENERGY TRANSFER; MEMBRANES (metabolism); MITOCHONDRIA, MUSCLE (metabolism, enzymology); MODELS, CHEMICAL; MYOCARDIUM (metabolism, enzymology); OXIDATION-REDUCTION; PROTONS.

Papahadjopoulos D

THE INTERACTION OF PHOSPHOLIPID VESICLES WITH MAMMALIAN CELLS IN VITRO. Papahadjopoulos D, Poste G, Mayhew E *Biochem Soc Trans* 3: 606-8, 1975 (Eng) \*DL/76AUG502

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CALCIUM (pharmacodynamics); CELL FUSION (drug effects); CELL MEMBRANE (metabolism, drug effects); EDTA (pharmacodynamics); ENDOCYTOSIS, IN VITRO; LIPOSOMES (metabolism); PHOSPHOLIPIDS (metabolism).

CALCIUM-INDUCED PHASE SEPARATION AND FUSION IN PHOSPHOLIPID MEMBRANES. Papahadjopoulos D, Poste G *Biophys J* 15: 945-8, Sep 75 (Eng) \*DL/76AUG636

CALCIUM; LECITHINS; MACROMOLECULAR SYSTEMS; MEMBRANES, ARTIFICIAL; PHOSPHATIDYL GLYCEROLS; PHOSPHATIDYL SERINE; PHOSPHOLIPIDS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Papavassiliou F

EFFECT OF PARATHYROID HORMONE ON RENAL TUBULAR FLUID AND GLUCOSE REABSORPTION. Baumann K, Chan YL, Bode F, Papavassiliou F, Wagner M *Curr Probl Clin Biochem* 4: 223-8, 1975 (Eng) \*DL/76AUG488

Papavassiliou F

REABSORPTION OF D-GLUCOSE FROM VARIOUS REGIONS OF THE RAT PROXIMAL CONVOLUTED TUBULE: EVIDENCE THAT THE PROXIMAL CONVOLUTION IS NOT HOMOGENEOUS. Bode F, Chan YL, Goldner AM, Papavassiliou F, Wagner M, Baumann K *Curr Probl Clin Biochem* 4: 39-43, 1975 (Eng) \*DL/76AUG490

Papic Z

COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST. Papic Z, Katona G, Crepinko I, Skrabalo Z *Acta Diabetol*

Lat 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

BLOOD SUGAR (analysis); DIABETES MELLITUS (diagnosis); GLUCOSE TOLERANCE TEST; GLYCOGEN (blood); HUMAN; LYMPHOCYTES (analysis).

Pareti FI

PROCEEDINGS: NEW SYNTHETIC DERIVATIVES OF NATURAL CYCLIC NUCLEOTIDES: THEIR EFFECT ON PLATELET BEHAVIOUR. Pareti FI, Mannucci L, Carrera D, Mannucci PM *Thromb Diath Haemorrh* 34: 335-6, 30 Sep 75 (Eng) \*DL/76AUG851

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (analogues & derivatives); ANIMAL; BLOOD PLATELETS (drug effects); BLOOD SUGAR (metabolism); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (analogues & derivatives); HEMODYNAMICS (drug effects); INOSINE CYCLIC 3,5 MONOPHOSPHATE (analogues & derivatives); NUCLEOTIDES, CYCLIC (pharmacodynamics); PLATELET AGGREGATION (drug effects); RATS.

Parsons JA

IMMUNOCYTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN CELL BODIES OF THE RAT HYPOTHALAMUS. Elde RP, Parsons JA *Am J Anat* 144: 341-8, Dec 75 (Eng) \*DL/76AUG605

Pashchenko AE

[PATHOGENESIS OF DISORDERS OF THE THYROID GLAND FUNCTION IN PREGNANCY] Bobik Iul, Kasatkina LA, Pashchenko AE, Mitso AS, Fabri ZI *Vopr Okhr Materin Det* 19: 71-3, Feb 74 (Rus) \*DL/76AUG859

Pashinskii VG

[EXPERIMENTAL STUDY OF MANGANESE CHLORIDE TOXICITY] Pashinskii VG, Tuzlukov AP, Rassokhin VM, Arefeva AK, Sedova KS *Farmakol Toksikol* 38: 618-20, Sep-Oct 75 (Rus) \*DL/76AUG680

ADRENAL GLANDS (drug effects); ANIMAL; BLOOD CELLS (drug effects); BLOOD SUGAR (analysis); DOSE-RESPONSE RELATIONSHIP, DRUG; ENGLISH ABSTRACT; LETHAL DOSE 50; MANGANESE (toxicity, blood); MICE; MUSCLES (drug effects); NITROGEN (blood); RABBITS; RATS; SKIN (drug effects); TIME FACTORS.

Passeri M

[INFLUENCE OF CALCITONIN ON INSULIN SECRETION AFTER INTRAVENOUS ADMINISTRATION OF GLUCOSE] Passeri M, Carapezzi C, Ceccato S, Cucinotta D, Palummeri E *G Clin Med* 55: 362-70, May 74 (Ita) DL/76AUG98

CALCITONIN (pharmacodynamics); ENGLISH ABSTRACT; GLUCOSE (pharmacodynamics); HUMAN; INSULIN (blood, secretion); ISLANDS OF LANGERHANS (drug effects, secretion).

[DIGITAL AND MUSCLE BIOPSY IN THE EVALUATION OF SENILE DIABETIC MICROANGIOPATHY. NOTE I. COMPARISON OF THE 2 DIAGNOSTIC METHODS] Curri SB, Ceccato S, Cucinotta D, Carapezzi C, Palummeri E, Passeri M *G Clin Med* 56: 4-38, Jan-Feb 75 (Ita) DL/76AUG99

Passonneau JV

GLYCOLYTIC METABOLISM IN CULTURED CELLS OF THE NERVOUS SYSTEM. I. GLUCOSE TRANSPORT AND METABOLISM IN THE C-6 GLIOMA CELL LINE. Lust WD, Schwartz JP, Passonneau JV *Mol Cell Biochem* 8: 169-76, 30 Sep 75 (Eng) \*DL/76AUG749

THE MEASUREMENT OF GLYCOGEN IN TISSUES BY AMYLO-ALPHA-1,4-ALPHA-1,6-GLUCOSIDASE AFTER THE DESTRUCTION OF PREEXISTING GLUCOSE. Lust WD, Passonneau JV, Crites SK *Anal Biochem* 68: 328-31, Sep 75 (Eng) \*DL/76AUG884

Pasteels JL

STUDY OF HORMONE DEPENDENCE OF HUMAN BREAST CANCER IN ORGAN CULTURE. PP. 129-38. Heuson JC, Pasteels JL, Legros N, Heuson-Stiennon JA, Leclercq G *Int J Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng) DL/76AUG184*

Paton A

POTASSIUM STATUS OF PATIENTS WITH CIRRHOSIS. Soler NG, Jain S, James H, Paton A *Gut* 17: 152-7, Feb 76 (Eng) DL/76AUG106

Pattou E

DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS. Ramirez VD, Gautron JP, Epelbaum J, Pattou E, Zamora A, Kordon C *Mol Cell Endocrinol* 3: 339-50, Nov 75 (Eng) \*DL/76AUG508

Patz A

CYSTOID MACULOPATHY IN DIABETICS. Patz A. *Arch Ophthalmol* 94: 761-8, May 76 (Eng) DL/76AUG464

ADULT; CASE REPORT; DIABETIC RETINOPATHY (diagnosis, surgery); EDEMA (etiology, surgery); FEMALE; FUNDUS FLUORESCENCE PHOTOGRAPHY; HUMAN; LASER COAGULATION; MACULA LUTEA; MALE; MIDDLE AGE; VISUAL ACUITY.

Paul P

ALTERED GLUCOSE METABOLISM IN METASTATIC CARCINOMA. Holroyde CP, Gabuzda TG, Putnam RC, Paul P, Reichard GA *Cancer Res* 35: 3710-4, Dec 75 (Eng) \*DL/76AUG477

Pavlinova LI

[METABOLISM OF LIVER POLYPHOSPHOSITIDES IN RATS DURING STIMULATING AND DEPRESSING INFLUENCES ON THE ORGANISM] Kiselev GV, Pavlinova LI *Biull Eksp Biol Med* 80: 40-3, Sep 75 (Rus) DL/76AUG10

Pavlov D

[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSO-ADRENAL SYSTEM IN OBESITY] Dobrev D, Pavlov D, Stoilov I *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

Pavlov DN

[STIMULATION OF ADRENOCORTICAL SECRETION IN HEALTHY PERSONS WITH HYPOGLYCEMIA PROVOKED BY INSULIN] Kolebinov NK, Ankov VK, Pavlov DN *Vutr Boles* 14: 97-100, 1975 (Bul) DL/76AUG367

Peace RW

UTILIZATION OF AMINO ACIDS ADMINISTERED ENTERALLY OR PARENTERALLY TO YOUNG PIGS. Keith MO, Peace RW, Botting HG, Hamilton EJ *J Nutr* 105: 1535-43, Dec 75 (Eng) \*DL/76AUG550

Pearson TA

CLONAL CHARACTERISTICS OF FIBROUS PLAQUES AND FATTY STREAKS FROM HUMAN AORTAS. Pearson TA, Wang BA, Soler K, Heptinstall RH *Am J Pathol* 81: 379-87, Nov 75 (Eng) \*DL/76AUG880

ADULT; AGED; AORTA, ABDOMINAL (enzymology); AORTIC DISEASES (enzymology, familial & genetic); ARTERIOSCLEROSIS (enzymology); ATHEROSCLEROSIS (enzymology, familial & genetic); CLOVE CELLS; FATTY STREAK, ARTERIAL (enzymology, familial & genetic); FEMALE; GENETICS, BIOCHEMICAL; GLUCOSEPHOSPHATE DEHYDROGENASE (analysis); HUMAN; ISOENZYMES (analysis); MIDDLE AGE;

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### Peci-Popovic E

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#### Peci-Popovic E

[INFLUENCE OF CHLORPROPAMIDE ON THE EXCRETION OF ELECTROLYTES IN DIABETES INSIPIDUS] Peci-Popovic E, Janjic M, Kicic M *Glas Srp Akad Nauka [Med]* 77-84, 1975 (Ser) DL/76AUG104  
ADOLESCENCE; ADULT;  
CHLORPROPAMIDE (pharmacodynamics, therapeutic use); DIABETES INSIPIDUS (drug therapy, urine); ELECTROLYTES (urine); FEMALE; HUMAN; MALE; OSMOSIS (drug effects); WATER-ELECTROLYTE BALANCE (drug effects).

#### Pedersen GT

CORRELATION BETWEEN HUMAN CHORIONIC SOMATOMAMMOTROPIN AND PLACENTAL WEIGHT. Rolschau J, Date J, Kristoffersen K, Pedersen GT, Ulrich M *Acta Obstet Gynecol Scand* 54: 341-6, 1975 (Eng) \*DL/76AUG598

#### Pedersen PL

INTERACTION OF HOMOGENEOUS MITOCHONDRIAL ATPASE FROM RAT LIVER WITH ADENINE NUCLEOTIDES AND INORGANIC PHOSPHATE. Pedersen PL *J Supramol Struct* 3: 222-30, 1975 (Eng) \*DL/76AUG739

ADENOSINE DIPHOSPHATE (metabolism, pharmacodynamics); ADENOSINE TRIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ADENYLIL IMIDODIPHOSPHATE (pharmacodynamics, metabolism); AUROVERTIN (pharmacodynamics); BINDING SITES; BINDING, COMPETITIVE; KINETICS; MAGNESIUM (pharmacodynamics); MITOCHONDRIA, LIVER (enzymology); MODELS, BIOLOGICAL; PHOSPHATES (metabolism); PHOSPHATES, INORGANIC (metabolism); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

#### Pederson RA

THE EFFECT OF SOMATOSTATIN ON RELEASE AND INSULINOTROPIC ACTION OF GASTRIC INHIBITORY POLYPEPTIDE. Pederson RA, Dryburgh JR, Brown JC *Can J Physiol Pharmacol* 53: 1200-5, Dec 75 (Eng) DL/76AUG25

ANIMAL EXPERIMENTS (analysis); DOGS; FATS (pharmacodynamics); FEMALE; GASTROINTESTINAL HORMONES (metabolism, pharmacodynamics); GLUCOSE (metabolism); INSULIN (secretion); MALE; PANCREAS (metabolism); PEPTIDES (metabolism, pharmacodynamics); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); STIMULATION, CHEMICAL; SWINE; TIME FACTORS.

#### Pekkarinen A

EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY. Syyalahti E, Lammintausta R, Pekkarinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418

#### Pena F

EFFECT OF FASTING AND INSULIN ON THE GLUCAGON-INDUCED ORTHOPHOSPHATE INCORPORATION TO THE ISOLATED PERFUSED RAT LIVER. De Venanzi F, Pena F, Jimenez O, De Alvarado H *Proc Soc Exp Biol Med* 152: 47-51, May 76 (Eng) DL/76AUG323

#### Peng MT

LONGITUDINAL STUDIES ON ADIPOSE TISSUE AND ITS DISTRIBUTION IN HUMAN

SUBJECTS. Chien S, Peng MT, Chen KP, Huang TF, Chang C, Fang HS *J Appl Physiol* 39: 825-30, Nov 75 (Eng) \*DL/76AUG708

#### Pennington SN

CHANGES IN MUSCLE MITOCHONDRIAL LIPID COMPOSITION RESULTING FROM TRAINING AND EXHAUSTIVE EXERCISE. Dohm GL, Barakat H, Stephenson TP, Pennington SN, Tappscott EB *Life Sci* 17: 1075-80, 10 Oct 75 (Eng) \*DL/76AUG574

#### Penpargkul S

EFFECT OF PHYSICAL CONDITIONING UPON METABOLISM AND PERFORMANCE OF THE RAT HEART. Scheuer J, Penpargkul S, Bhan AK *Recent Adv Stud Cardiac Struct Metab* 3: 145-59, 1973 (Eng) \*DL/76AUG789

#### Peracchi M

[CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavagnini F, Peracchi M, Panerai AE, Pinto M *Quad Scavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328

#### Percy-Robb IW

LETTER: MEASUREMENT OF PLASMA-GLUCOSE LEVELS IN THE SIDE-ROOM. Brunton WA, Percy-Robb IW *Lancet* 2: 1153, 6 Dec 75 (Eng) \*DL/76AUG568

#### Perkins RP

THE SIGNIFICANCE OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN PREGNANCY. Perkins RP *Am J Obstet Gynecol* 125: 215-23, 15 May 76 (Eng) DL/76AUG431

ADOLESCENCE; ADULT; AGE FACTORS; APGAR SCORE; CAUCASIAN RACE; DELIVERY; DIABETES MELLITUS (complications); DRUG THERAPY (adverse effects); ERYTHROBLASTOSIS, FETAL (etiology); ETHNIC GROUPS; FEMALE; GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY (complications, familial & genetic, metabolism); HEMATOCRIT; HUMAN; INFANT, NEWBORN; MALE; NEGROID RACE; NEW YORK CITY; PREGNANCY COMPLICATIONS, HEMATOLOGIC; PREGNANCY; RH-OR BLOOD-GROUP SYSTEM; SICKLE CELL TRAIT (complications); WEST INDIES (ethnology).

#### Perlow R

METABOLIC AND CARDIOVASCULAR ABNORMALITIES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE. Vyden JK, Thorner J, Nagasawa K, Takano T, Groseth-Dittrich MF, Perlow R, Swan HJ *Am Heart J* 90: 703-8, Dec 75 (Eng) \*DL/76AUG604

#### Peroni A

[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERLIPIDEMIA AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS] Rusconi C, Cicogna R, Orlando G, Guerra U, Peroni A *Minerva Cardioangiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

#### Perro RJ

IN VIVO CHEMOTAXIS OF RAT LEUKOCYTES IN THE PRESENCE OF CIRCULATING CHYLOMICRONS. Perro RJ, Oronsky AL, Sanda M, Stecher VJ *Atherosclerosis* 22: 257-69, Sep-Oct 75 (Eng) \*DL/76AUG923

ANIMAL; CHEMOTAXIS; CHOLESTEROL (blood); CHYLOMICRONS (blood); DIET; FATTY LIVER (etiology); LEUKOCYTES (physiology, analysis); MALE; MONOCYTES (physiology, transplantation); NEUTROPHILS (physiology, transplantation); PERITONEAL FLUID (cytology); PHAGOCYTOSIS; RATS; TRANSPLANTATION, HOMOLOGOUS; TRIGLYCERIDES (blood).

### Perry M

INTESTINAL ABSORPTION FOLLOWING SMALL-BOWEL RESECTION. Perry M *Ann R Coll Surg Engl* 57: 139-47, Sep 75 (Eng) \*DL/76AUG892

ANIMAL; BILE ACIDS AND SALTS (metabolism); CECUM (metabolism); CHOLIC ACIDS (metabolism); COLECTOMY; COLON (metabolism); FEMALE; GLUCOSE (metabolism); ILEUM (surgery); INTESTINAL ABSORPTION; INTESTINE, SMALL (surgery); JEJUNUM (metabolism, surgery); PERFUSION; POTASSIUM (metabolism); RATS; SODIUM (metabolism); WATER (metabolism).

#### Persson B

CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Persson B, Demisie H, Sterky G *Infusionstherapie* 2 suppl 3: 34-6, 1975 (Eng) \*DL/76AUG703

BLOOD SUGAR; BLOOD UREA NITROGEN; CHILD, PRESCHOOL; DIARRHEA (etiology); DIETARY FATS; GLUCOSE (metabolism); HEMOGLOBINS; HUMAN; KWASHIORKOR (diet therapy); MALABSORPTION SYNDROMES (etiology); NUTRITION DISORDERS (diet therapy); SERUM ALBUMIN (analysis); VOMITING.

#### Petcu D

[CHARACTERISTICS OF CHEMICAL DIABETES MELLITUS IN WOMEN] Petcu D, Motocu M, Gligore V *Rev Med Intern [Med Intern]* 28: 145-51, Mar-Apr 76 (Rum) DL/76AUG334

ADULT; AGE FACTORS; CHOLELITHIASIS (complications); DIABETES MELLITUS (complications, familial & genetic); ENGLISH ABSTRACT; FEMALE; HUMAN; MALE; MIDDLE AGE; OBESITY (complications); PREDIABETIC STATE (complications); PREGNANCY IN DIABETES; PREGNANCY; RISK; RUMANIA; RURAL POPULATION; SEX FACTORS; URBAN POPULATION.

#### Peterkofsky A

INTERACTION OF ENZYME I OF THE PHOSPHOENOLPYRUVATE-SUGAR PHOSPHOTRANSFERASE SYSTEM WITH ADENYL CYCLASE OF ESCHERICHIA COLI. Peterkofsky A, Gardar C *Proc Natl Acad Sci USA* 72: 2920-4, Aug 75 (Eng) \*DL/76AUG760

ADENYL CYCLASE (metabolism); ENZYME INDUCTION (drug effects); ESCHERICHIA COLI (enzymology); GENOTYPE; GLUCOSE (pharmacodynamics); MUTATION; PHOSPHOENOLPYRUVATE (pharmacodynamics); PHOSPHOTRANSFERASES (metabolism); SPECIES SPECIFICITY; TOLUENE (pharmacodynamics).

#### Petersen KG

[RECEPTORS FOR POLYPEPTIDE HORMONES. PHYSIOLOGIC AND PATHOGENETIC SIGNIFICANCE] Frowein J, Petersen KG *Dtsch Med Wochenschr* 101: 623-7, 16 Apr 76 (Ger) DL/76AUG62

#### Petersen MB

PROTEIN AND FREE AMINO ACID METABOLISM IN THE FAILING CANINE HEART. Petersen MB, Mead RJ, Welty JD *Recent Adv Stud Cardiac Struct Metab* 3: 615-23, 1973 (Eng) \*DL/76AUG809

AMINO ACIDS (metabolism, blood); ANIMAL EXPERIMENTS; BLOOD PRESSURE; DOGS; HEART ENLARGEMENT (metabolism); HEART FAILURE, CONGESTIVE (metabolism); HEART (anatomy & histology); LEUCINE (metabolism); MUSCLE PROTEINS (metabolism, biosynthesis); ORGAN WEIGHT.



**Petroboni V**

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**Petrov VS**

[ULTRASTRUCTURE OF THE STRIA VASCULARIS OF THE COCHLEA IN ALLOXAN DIABETES] Kozlov Mla, Onegova RF, Petrov VS, Sokoloverova IM *Zh Ushn Nos Gori Bolezn* 36-40, Mar-Apr 76 (Rus) DL/76AUG393

**Pettersson B**

STUDIES ON NOREPINEPHRINE-INDUCED EFFLUX OF FREE FATTY ACID FROM HAMSTER BROWN-ADIPOSE-TISSUE CELLS. Bieber LL, Pettersson B, Lindberg O *Eur J Biochem* 58: 375-81, 15 Oct 75 (Eng) \*DL/76AUG677

**Peyman GA**

IMMEDIATE FUNDUS COMPLICATIONS AFTER RETINAL SCATTER PHOTOCOAGULATION. I. CLINICAL PICTURE AND PATHOGENESIS. Huamonte FU, Peyman GA, Goldberg MF, Lockett A *Ophthalmic Surg* 7: 88-99, Spring 76 (Eng) DL/76AUG280

**Pfander C**

[A FURTHER CASE OF MALIGNANT HYPERTENSIA AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IMPROVERATIL) (AUTHORS TRANSL)] Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446

**Pfeifer AK**

THE ROLE OF BRAIN MONAMINES IN THE SUSCEPTIBILITY TO SEIZURES BROUGHT ABOUT BY CHEMICAL AND ELECTRICAL STIMULATIONS. PP. 259-72. Pfeifer AK, Unyi G *Ino Lissak K, ed. Hormones and brain function*. New York, Plenum Press, 1973. WL 300 1631 H 1971. (Eng) DL/76AUG181

AMPHETAMINE (pharmacodynamics); ANIMAL EXPERIMENTS (analysis); BRAIN (drug effects, metabolism); CATECHOLAMINES (metabolism); CONVULSIONS (chemically induced, metabolism); DOPAMINE (physiology); ELECTROSHOCK; FEMALE; GUANETHIDINE (pharmacodynamics); INSULIN; MALE; METHYLDOPA (pharmacodynamics); METHYLTYSOSINES (pharmacodynamics); MICE; MONOAMINE OXIDASE INHIBITORS (pharmacodynamics); MONOGRAPH (mortality); NOREPINEPHRINE (physiology); PENTYLENETETRAZOLE; RATS; RESERPINE (pharmacodynamics); SEMICARBAZIDES; SEROTONIN (physiology); TRANYLCYPROMINE (pharmacodynamics).

**Pfiorde A**

[ADAPTATION OF RATS FOLLOWING SODIUM-NITRITE-INDUCED METHHEMOGLOBINEMIA] Pankow D, Ponsold W, Liedke MD, Gessner G, Pfiorde A *Acta Biol Med Ger* 34: 1205-9, 1975 (Ger) \*DL/76AUG597

**Pharo R**

STANDARD SERUM CHEMICAL AND HAEMATOLOGICAL VALUES IN THE CHACMA BABOON (PAPIO URSINUS). Steyn DG, Hamilton-Bruce RJ, Zuurmond TJ, Pharo R *J S Afr Vet Assoc* 46: 191-6, Jun 75 (Eng) \*DL/76AUG555

**Phil D**

MUOCARDIAL INFARCTION AND ESTROGEN THERAPY IN POST-MENOPAUSAL WOMEN. Rosenberg L, Armstrong B, Phil D, Jick H N

*Engl J Med* 294: 1256-9, 3 Jun 76 (Eng) DL/76AUG267

**Phillips CF**

BIOCHEMICAL VALUES IN THE NORMAL AND HYPOTHERMIC BABOON PAPIO CYNOCEPHALUS/ANUBIS. Phillips CF, Nicolalde AA, Wolfson SK Jr *J Med Primatol* 4: 308-19, 1975 (Eng) \*DL/76AUG728

ANESTHESIA, INHALATION; ANIMAL; BABOONS (blood); BLOOD SUGAR (analysis); CALCIUM (blood); CHLORIDES (blood); COMPARATIVE STUDY; CREATININE (blood); FEMALE; HALOTHANE; HYPOTHERMIA, INDUCED (veterinary); MALE; MONKEYS; POTASSIUM (blood); SERUM ALBUMIN (analysis); SEX FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; URIC ACID (blood).

**Phillips JH**

REDUCTION IN MYOCARDIAL INFARCT SIZE: PREVENTION OF HEART CELL DEATH. Kones RJ, Phillips JH *South Med J* 69: 442-8, Apr 76 (Eng) DL/76AUG342

**Phillips LS**

THE EFFECTS OF INSULIN AND GROWTH HORMONE ON THE RELEASE OF SOMATOMEDIN BY THE ISOLATED RAT LIVER. Daughaday WH, Phillips LS, Mueller MC *Endocrinology* 98: 1214-9, May 76 (Eng) DL/76AUG75

CRANIOPHARYNGIOMA: THE ROLE OF INSULIN IN PROMOTING POSTOPERATIVE GROWTH. Costin G, Kogut MD, Phillips LS, Daughaday WH *J Clin Endocrinol Metab* 42: 370-9, Feb 76 (Eng) DL/76AUG142

**Phillips PJ**

LETTER: AETIOLOGY OF HYPONATREMIA. Phillips PJ *Pain RW Med J Aust* 1: 132, 31 Jan 76 (Eng) DL/76AUG251

CHLORPROPAMIDE (adverse effects); HUMAN; HYPONATREMIA (chemically induced).

**Pianezzi A**

[A MICROMETHOD FOR THE DETERMINATION OF GLUCOSE IN 20 MICROLITER SAMPLES WITH THE AUTOANALYZER (AUTHORS TRANSL)] Holm H, Pianezzi A, Scholer A *Z Klin Chem Klin Biochem* 13: 541-3, Dec 75 (Ger) \*DL/76AUG594

**Picken GM**

CARDIAC ADENYLATE CYCLASE. I. PREPARATION AND CHARACTERISATION OF A SURCELLULAR FRACTION CONTAINING CATECHOLAMINE-SENSITIVE ADENYLATE CYCLASE. Jarrott B, Picken GM *J Mol Cell Cardiol* 7: 685-95, Sep 75 (Eng) \*DL/76AUG730

**Pieper GM**

LIPID AND GLYCOGEN METABOLISM IN THE HYPOXIC HEART: EFFECTS OF EPINEPHRINE. Crass MF 3d, Pieper GM *Am J Physiol* 229: 885-9, Oct 75 (Eng) \*DL/76AUG883

**Pierog S**

NEONATAL SEPSIS. Pierog S, Nigam S *Pediatr Ann* 5: 63-79, Feb 76 (Eng) DL/76AUG289

ANTIBIOTICS (therapeutic use); BACTERIAL INFECTIONS (diagnosis, drug therapy); BILIRUBIN (blood); DIAGNOSIS; DIFFERENTIAL EXCHANGE TRANSFUSION; FEMALE; GLUCOSE (therapeutic use); HUMAN; HYPOGLYCEMIA (drug therapy); INFANT CARE; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (diagnosis); INFANT, NEWBORN, DISEASES (drug therapy); PREGNANCY COMPLICATIONS (in pregnancy); PREGNANCY.

**Pieschl D**

PLASMA IMMUNOREACTIVE INSULIN AND SOMATOTROPIN IN DELIRIUM TREMENS AND ALCOHOLIC HALLUCINOSIS. Dobrzanski T, Pieschl D *J Stud Alcohol* 37: 327-33, Mar 76 (Eng) DL/76AUG224

**Pinkhas J**

LETTER: PHENYTOIN IN METASTATIC INSULINOMA. Aderka D, Shaklai M, Doron M, Laron Z, Pinkhas J, De Vries A *JAMA* 234: 1119, 15 Dec 75 (Eng) \*DL/76AUG733

**Pinotti HW**

[EXPERIMENTAL PANCREATIC ALLOTTRANSPLANTATION IN DOGS: BIOCHEMICAL ASPECTS AND EVOLUTION] Ellenbogen G, Raia AA, Zilberstein B, Pollara WM, Neto OB, Morimoto RY, Pinotti HW *Rev Hosp Clin Fac Med Sao Paulo* 30: 340-4, Jul-Aug 75 (Por) \*DL/76AUG841

**Pinto M**

[CHANGES IN THE SECRETION OF SOMATOTROPIN AND INSULIN IN HYPERTHYROIDISM] Cavagnini F, Peracchi M, Panerai AE, Pinto M *Quad Scavo Diagn* 11: 372-81, Jun 75 (Ita) DL/76AUG328

**Pirkle JC Jr**

ROLE OF CORTISOL IN THE RESTITUTION OF BLOOD VOLUME AFTER HEMORRHAGE. Gann DS, Pirkle JC Jr *Am J Surg* 130: 565-9, Nov 75 (Eng) \*DL/76AUG611

**Plamteux G**

LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS. Daubresse JC, Lerson G, Plamteux G, Rorive G, Luyck AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

**Plenert W**

[ADIPOSITY IN CHILDREN] Spahn U, Knoll G, Plenert W *Kinderarztl Prax* 43: 166-80, Apr 75 (Ger) [71] DL/76AUG213

**Poffenbarger PL**

THE ROLE OF SERUM NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY (NSILA) IN COMPENSATORY RENAL GROWTH. Poffenbarger PL, Prince MJ *Growth* 40: 83-97, Mar 76 (Eng) DL/76AUG105

ANIMAL EXPERIMENTS (analysis); BODY WEIGHT; CORTICOTROPIN (administration & dosage); HYPOPHYSECTOMY; INSULIN (biosynthesis); KIDNEY (growth & development, physiology); MALE; NEPHRECTOMY; RATS; REGRESSION ANALYSIS; SOMATOTROPIN (administration & dosage); THYROTROPIN (administration & dosage); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. .

**Polackova H**

[INSULINEMIA IN RENAL GLYCOSURIA] Polackova H, Kmoch J, Prokes J, Svoboda Z, Vsetekova A *Vnitr Lek* 22: 341-4, Apr 76 (Cze) DL/76AUG363

ADULT; ENGLISH ABSTRACT; FEMALE; GLYCOSURIA, RENAL (blood); HUMAN; INSULIN (blood); MALE.

**Poland JL**

PLASMA CORTICOSTERONE AND CARDIAC GLYCOGEN LEVELS IN RATS AFTER EXERCISE. Poland JL, Myers TD, Witorsch RJ, Brandt RB *Proc Soc Exp Biol Med* 150: 148-50, Oct 75 (Eng) \*DL/76AUG778

ANIMAL. CORTICOSTERONE (blood); EXERCITION; GLYCOGEN (metabolism); MALE; MYOCARDIUM (metabolism); RATS; TIME FACTORS.

## Policova Z

### Policova Z

FAILURE OF ERGOTAMINE TO ACT AS AN AMPLIFIER OF SULFONYLUREA-STIMULATED INSULIN SECRETION. Sirek A, Sirek OV, Policova Z *Acta Diabetol Lat* 12: 199-201, May-Aug 75 (Eng) DL/76AUG401

### Poll DS

LIVER MICROSOMAL BETA-GLUCURONIDASE AND UDP-GLUCURONYLTRANSFERASE. Schollhammer I, Poll DS, Bickel MH *Enzyme* 20: 269-76, 1975 (Eng) \*DL/76AUG496

### Pollak WL

STUDIES OF GLUCOSE PRODUCTION IN SHEEP USING (6-3H)GLUCOSE AND (U-14C)GLUCOSE. Brockman RP, Bergman EN, Pollak WL, Brondum J *Can J Physiol Pharmacol* 53: 1186-9, Dec 75 (Eng) DL/76AUG24

### Pollara WM

[EXPERIMENTAL PANCREATIC ALLOTRANSPLANTATION IN DOGS: BIOCHEMICAL ASPECTS AND EVOLUTION] Ellenbogen G, Raia AA, Zilberstein B, Pollara WM, Neto OB, Morimoto RY, Pinotti HW *Rev Hosp Clin Fac Med Sao Paulo* 30: 340-4, Jul-Aug 75 (Por) \*DL/76AUG481

### Poloni M

[INSULIN AVAILABILITY IN SOME FAMILIAL INHERITED NEUROLOGICAL SYNDROMES (AUTHORS TRANSL.)] Frattino P, Kauchtschischvili G, Nappi G, Poloni M, Favino A, Criffo A *Riv Patol Nerv Ment* 95: 624-31, Oct 74 (Ita) DL/76AUG335

### Polosa P

CHRONOBIOLOGICAL STUDY OF GROWTH HORMONE SECRETION IN MAN: ITS RELATION TO SLEEP-WAKE CYCLES AND TO INCREASING AGE. PP. 81-7. DaGata R, Vigneri R, Polosa P, Semenenko EI, Myshkovskii VI, I USON-Stienon JA, Leclercq G *Ino Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG186*

### Ponomarenko SI

[RADIOCHEMICAL CHANGES IN POLYMERS USED FOR PACKAGING DRUGS] PP. 159-69. Ivanov AI, Ponomarenko SI, Kovalchuk VM, Semenenko EI, Myshkovskii VI, I USON-Stienon JA, Leclercq G *Ino Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Rus) DL/76AUG185*

### Ponsold W

[ADAPTATION OF RATS FOLLOWING SODIUM-NITRITE-INDUCED METHEMOGLOBINEMIA] Pankow D, Ponsold W, Liedke MD, Gessner G, Pfordte A *Acta Biol Med Ger* 34: 1205-9, 1975 (Ger) \*DL/76AUG597

### Pop P

[COURSE OF BLOOD SUGAR AND EOSINOPHIL COUNT DURING PREGNANCY IN CAT-TIERZITZ] Talos V, Roth G, Pop P, Trif A *Dtsch Tierarztl Wochenschr* 82: 286-8, 5 Jul 75 (Ger) \*DL/76AUG495

### Popa M

GROWTH HORMONE RELEASE BY GLYCINE INJECTED INTRAVENOUSLY IN 22 HEALTHY SEXUALLY IMMATURE CHILDREN. Popa M, Florea I *Biomedicine [Express]* 23: 131-3, 30 Apr 75 (Eng) DL/76AUG6 ANTIBODIES; CHILD; DWARFISM (diagnosis); FEMALE; GLYCINE (pharmacodynamics); HUMAN; HYPOGLYCEMIA (chemically induced); INSULIN; MALE; NITROGEN (blood); SOMATOTROPIN (secretion).

## Diabetes Literature—Author Index

### Popescu I

THE DEVELOPMENT OF A GLUCOSE CLAMP. Norwich KH, Fluker G, Anthony J, Popescu I, Pagurek B, Hetenyi G Jr *Metabolism* 24: 1221-30, Nov 75 (Eng) \*DL/76AUG744

[CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS] Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanescu I, Bena A, Stefan O *Rev Ig [Pneumofiziol]* 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843

### Popescu S

CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatic MA, Voiosu R, Cucu F, Suciuc A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

### Popov A

[PATHOGENIC CHARACTERISTICS OF THE EARLY STAGES OF DIABETES MELLITUS AND PREVENTIVE CONSEQUENCES] Popov A *Z Gesamte Inn Med* 30: 44-8 contd, May 75 (Ger) DL/76AUG387 ADOLESCENCE; ADULT; BLOOD SUGAR (analysis); COMPARATIVE STUDY; DIABETES MELLITUS (etiology, prevention & control); GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (blood); MIDDLE AGE; PANCREAS (physiopathology); PREDIABETIC STATE (diagnosis); TIME FACTORS.

### Popov AA

NUTRITION EFFECT ON LIVER AND LYSOSOMES. VIII. THE UNDERNOURISHMENT ROLE IN A FOLLOWING SHORT-TERM STARVATION. Krustev LP, Ibrishimov NI, Popov AA *Acta Histochem (Jena)* 53: 42-57, 1975 (Eng) \*DL/76AUG872

### Porte D Jr

RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS. Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensink JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

A SIMULATION MODEL OF EXTRACELLULAR GLUCOSE DISTRIBUTION IN THE HUMAN BODY. Tiran J, Galle KR, Porte D Jr *Ann Biomed Eng* 3: 34-46, Mar 75 (Eng) \*DL/76AUG888

### Portet R

EFFECTS OF DIET AND COLD ACCLIMATION ON LIPID COMPOSITION OF RAT INTERSCAPULAR BROWN ADIPOSE TISSUE. Senault C, Hlusko MT, Portet R *Ann Nutr Aliment* 29: 67-77, 1975 (Eng) \*DL/76AUG891

### Porzio G

THE EFFECT OF SOMATOSTATIN ON PLASMA INSULIN AND GROWTH HORMONE LEVELS IN BASAL CONDITIONS AND AFTER GLUCAGON IN NORMAL AND ACROMEGALIC SUBJECTS. Massara F, Porzio G, Camanni F, Molinatti GM *Acta Diabetol Lat* 12: 219-31, May-Aug 75 (Eng) DL/76AUG404

### Posinovec J

EPIDERMAL THICKNESS OF THE EAR LOBE AND DIABETES. Posinovec J, Hebrang H *Endokrinologie* 63: 381-5, 1974 (Eng) DL/76AUG81

BIOPSY; CHALONES (metabolism); DIABETES MELLITUS (metabolism, pathology); EAR, EXTERNAL (metabolism, pathology); ESTROGENS (pharmacodynamics); FEMALE; HUMAN; INSULIN (pharmacodynamics); MALE; MICE; MITOSIS (drug effects); SEX FACTORS; SKINFOLD THICKNESS; TESTOSTERONE (pharmacodynamics).

### Posner BI

CHARACTERIZATION AND MODULATION OF GROWTH HORMONE AND PROLACTIN BINDING IN MOUSE LIVER. Posner BI *Endocrinology* 98: 645-54, Mar 76 (Eng) DL/76AUG69

ANIMAL EXPERIMENTS (analysis); BINDING SITES; CORTICOTROPIN (pharmacodynamics); FEMALE; GLUCAGON (pharmacodynamics); INSULIN (pharmacodynamics); LIVER (metabolism); MEMBRANES (metabolism); MICE; PLACENTAL LACTOGEN (pharmacodynamics); PREGNANCY; PROLACTIN (metabolism); RECEPTORS, HORMONE; SOMATOTROPIN (metabolism); TEMPERATURE; TIME FACTORS.

### Poste G

THE INTERACTION OF PHOSPHOLIPID VESICLES WITH MAMMALIAN CELLS IN VITRO. Papahadjopoulos D, Poste G, Mayhew E *Biochem Soc Trans* 3: 606-8, 1975 (Eng) \*DL/76AUG502

CALCIUM-INDUCED PHASE SEPARATION AND FUSION IN PHOSPHOLIPID MEMBRANES. Papahadjopoulos D, Poste G *Biophys J* 15: 945-8, Sep 75 (Eng) \*DL/76AUG636

### Pottier C

[PROCEEDINGS: EFFECT OF OESTROGENS AND DIET ON LIPIDS IN THE PLASMA OF CASTRATED RATS OF BOTH SEXES (AUTHORS TRANSL.)] Pottier C, Lederer J *Ann Endocrinol (Paris)* 36: 115-6, Mar-Apr 75 (Fre) \*DL/76AUG893

ANIMAL; CASTRATION; DIETARY CARBOHYDRATES; DIETARY FATS; ENGLISH ABSTRACT; ESTRADIOL (pharmacodynamics); FEMALE; MALE; RATS; SUCROSE; TRIGLYCERIDES (blood).

### Potts J

RNA POLYMERASE AND ADENYL CYCLASE IN CARDIAC HYPERTROPHY AND CARDIOMYOPATHY. Nair KG, Umali T, Potts J *Recent Adv Stud Cardiac Struct Metab* 3: 479-87, 1973 (Eng) \*DL/76AUG801

### Poupon R

ACTIVITY OF HUMAN ADENYLATE CYCLASE FROM HUMAN FAT CELL MEMBRANES. Poupon R *Biomedicine [Express]* 23: 438-42, 20 Dec 75 (Eng) DL/76AUG5

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis); ADENOSINE TRIPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (metabolism); ADULT; AGED; ANIMAL EXPERIMENTS (analysis); CELL MEMBRANE; CORTICOTROPIN (pharmacodynamics); CYTOSINE NUCLEOTIDES (pharmacodynamics); ENZYME ACTIVATION; EPINEPHRINE (pharmacodynamics); FLUORIDES (pharmacodynamics); GLUCAGON (pharmacodynamics); GUANOSINE TRIPHOSPHATE (pharmacodynamics); HUMAN; MIDDLE AGE; RATS.

### Powell WJ Jr

EFFECT OF MANNITOL ON MITOCHONDRIAL MORPHOLOGY IN HYPONIC MYOCARDIUM. Caulfield JB, Willerson JT, Weissfeld ML, Powell WJ Jr *Recent Adv Stud Cardiac Struct Metab* 3: 753-62, 1973 (Eng) \*DL/76AUG811

## Poznanski AK

FAT THICKNESS IN THE NEONATAL SMALL LEFT COLON SYNDROME. Kuhns LR, Berger PE, Poznanski AK, Holt JF *Am J Roentgenol* 126: 538-41, Mar 76 (Eng) DL/76AUG441

## Pradhan PG

ADAPTIVE ALTERATIONS IN LACTOBACILLUS CASEI. GLUCONEOGENESIS IN CELLS GROWN ON RIBOSE. Pradhan PG, Nadkarni GB *Arch Biochem Biophys* 171: 65-9, Nov 75 (Eng) \*DL/76AUG898

ASPARTATE AMINOTRANSFERASE (metabolism); ASPARTIC ACID (metabolism); FRUCTOSEDIPHOSPHATE ALDOLASE (metabolism); GLUCONEOGENESIS (drug effects); GLUCOSEPHOSPHATASE (metabolism); HEXOSEDIPHOSPHATASE (metabolism); LACTATES (metabolism); LACTOBACILLUS CASEI (metabolism, drug effects); PHOSPHOENOLPYRUVATE CARBOXYKINASES (metabolism); PHOSPHOGLUCOMUTASE (metabolism); RIBOSE (pharmacodynamics, metabolism).

## Prandini BD

[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardioangiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275

## Prasad K

MEMBRANE Na<sup>+</sup>-K<sup>+</sup>-ATPASE AND ELECTROMECHANICS OF HUMAN HEART. Prasad K *Recent Adv Stud Cardiac Struct Metab* 4: 91-105, 1974 (Eng) \*DL/76AUG826

ACTION POTENTIALS (drug effects); ADENOSINE TRIPHOSPHATASE (metabolism, antagonists & inhibitors); CALCIUM (pharmacodynamics); CESIUM (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; ENZYME ACTIVATION; HEART (physiology); HUMAN; IN VITRO; MODELS, BIOLOGICAL; MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (enzymology); OUABAIN (pharmacodynamics); PAPILLARY MUSCLES; POTASSIUM (pharmacodynamics); RUBIDIUM (pharmacodynamics); SODIUM (pharmacodynamics).

## Pratt OE

A METHOD FOR INJECTING SUBSTANCES INTO THE CIRCULATION TO REACH RAPIDLY AND TO MAINTAIN A STEADY LEVEL. WITH EXAMPLES OF ITS APPLICATION IN THE STUDY OF CARBOHYDRATE AND AMINO ACID METABOLISM. Daniel PM, Donaldson J, Pratt OE *Med Biol Eng* 13: 214-27, Mar 75 (Eng) \*DL/76AUG565

## Pranishnikov VA

[HISTOCHEMICAL STUDY OF THE ENZYMES OF GLYCOGEN METABOLISM IN THE HUMAN ENDOMETRIUM DURING THE NORMAL MENSTRUAL CYCLE] Pranishnikov VA *Arkiv Anat Gistol Embriol* 68: 63-6, Apr 75 (Rus) \*DL/76AUG907

ENDOMETRIUM (enzymology); ENGLISH ABSTRACT; EPITHELIAL CELLS (metabolism); FEMALE; GLUCOSEPHOSPHATASE (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGEN SYNTHETASE (metabolism); GLYCOGEN (metabolism); HUMAN; MENSTRUATION; OVARY (physiology).

## Pribylova H

[CHILDREN OF DIABETIC MOTHERS—RELATIONSHIP BETWEEN METABOLIC CONDITIONS AFTER DELIVERY AND LONG-TERM PROGNOSIS] Zezulakova J, Pribylova H *Cesk Pediatr* 31: 57-60, Feb 76 (Cze) DL/76AUG33

## Priem HA

EFFECT OF ALCOHOL ADMINISTRATION ON PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA. Priem HA, Shanley BC, Malan C *Metabolism* 25: 397-403, Apr 76 (Eng) DL/76AUG242

ALCOHOL, ETHYL (blood, pharmacodynamics); CATECHOLAMINES (secretion); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; HYPOGLYCEMIA (chemically induced, metabolism); HYPOTHALAMUS (physiopathology); INSULIN (metabolism); MALE; OCULOMOTOR NERVE (physiopathology); SOMATOTROPIN (blood, secretion).

## Priest P

RESISTANCE TO SLIMMING: ADIPOSE TISSUE CELLULARITY STUDIES. Ashwell M, Priest P, Bondoux M, Garrow JS *Proc Nutr Soc* 34: 85a-86a, Sep 75 (Eng) \*DL/76AUG775

## Prignitz R

[STUDIES ON THE EFFECT OF RADIATION ON ELECTROLYTE CHANGES AND METABOLISM OF THE MYOCARDIUM. V. CHANGES IN ENZYME ACTIVITIES AND GLYCOLYSIS METABOLITES DUE TO RADIATION] Prignitz R, Hoffmeister N, Hoffmeister G *Strahlentherapie* 149: 621-7, Jun 75 (Ger) \*DL/76AUG854

ANIMAL EXPERIMENTS; DIHYDROXYACETONE PHOSPHATE (analysis); DOSE-RESPONSE RELATIONSHIP, RADIATION; ENGLISH ABSTRACT; FEMALE; FRUCTOSEPHOSPHATES (analysis); GLUCOSEPHOSPHATE DEHYDROGENASE (analysis); GLUCOSEPHOSPHATES (analysis); GLYCOGEN PHOSPHORYLASE (analysis); GLYCOLYSIS (radiation effects); GUINEA PIGS; HEART (radiation effects); HEXOKINASE (analysis); LACTATES (analysis); MYOCARDIUM (metabolism, enzymology); PHOSPHOFRUCTOKINASE (analysis); PHOSPHOGLUCONATE DEHYDROGENASE (analysis); RADIATION EFFECTS.

## Prikhozhan VM

[DIAGNOSIS OF DIABETIC POLYNEUROPATHY] Manovich EE, Prikhozhan VM *Sov Med* 64-7, Dec 75 (Rus) DL/76AUG344

## Prince MJ

THE ROLE OF SERUM NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY (NSILA) IN COMPENSATORY RENAL GROWTH. Poffenbarger PL, Prince MJ *Growth* 40: 83-97, Mar 76 (Eng) DL/76AUG105

## Privett OS

PROCEEDINGS: RAT LIVER MITOCHONDRIAL ENZYME ACTIVITIES AND ION TRANSLATIONS AS AFFECTED BY DIETARY POLYUNSATURATED FATTY ACIDS AND HYPOPHYSECTOMY. Haeflner EW, Privett OS *Hoppe Seylers Z Physiol Chem* 356: 237-8, Mar 75 (Eng) \*DL/76AUG692

## Prokes J

[IMPOSSIBILITIES IN PREVENTION OF MANIFEST DIABETES MELLITUS IN POTENTIAL DIABETICS (PRELIMINARY REPORT)] Dvorakova L, Valnickova J, Mikan M, Prokes J *Vnitř Lek* 22: 262-7, Mar 76 (Cze) DL/76AUG360

[INSULIN SECRETION IN PATIENTS FOLLOWING JURASZS SURGERY FOR PANCREATIC PSEUDOCYST] Svoboda Z, Prokes J, Dobesova L *Vnitř Lek* 22: 336-40, Apr 76 (Cze) DL/76AUG362

[INSULINEMIA IN RENAL GLYCOSURIA] Polackova H, Kmoch J, Prokes J, Svoboda Z, Vseteckova A *Vnitř Lek* 22: 341-4, Apr 76 (Cze) DL/76AUG363

## Prols H

CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION. Seifert J, Prols H, Messmer K, Bucklein R, Loh G, Mehnert H, Brendel W *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

## Prout TE

THE USE OF SCREENING AND DIAGNOSTIC PROCEDURES: THE ORAL GLUCOSE TOLERANCE TEST. Prout TE *Med State Med J* 25: 62-5, May 76 (Eng) DL/76AUG225

DIABETES MELLITUS (diagnosis); GLUCOSE TOLERANCE TEST (methods); HUMAN.

## Puech R

[COOPERATIVE BINDING OF TOLBUTAMIDE BY ISOLATED RAT ISLETS OF LANGERHANS] Alric R, Manteghetti M, Puech R, Lignon F, Loubatieres A *C R Acad Sci [D] (Paris)* 281: 2029-32, 22 Dec 75 (Fre) DL/76AUG38

## Pulay I

EFFECT OF SURGERY ON CARBOHYDRATE METABOLISM. Alant O, Pulay I, Esztergalyos J, Bodnar A *Acta Chir Acad Sci Hung* 16: 307-14, 1975 (Eng) DL/76AUG396

## Putnam RC

ALTERED GLUCOSE METABOLISM IN METASTATIC CARCINOMA. Holroyde CP, Gabuzda TG, Putnam RC, Paul P, Reichard GA *Cancer Res* 35: 3710-4, Dec 75 (Eng) \*DL/76AUG477

## Pykalisto OJ

GLUCOCORTICOIDS AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPIASE, AND PLASMA LIPOPROTEINS IN THE RAT. Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

## Pyke DA

ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS. Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

## Pyke FS

THE EFFECT OF LONG-DISTANCE RUNNING ON SOME BIOCHEMICAL VARIABLES. Riley WJ, Pyke FS, Roberts AD, England JF *Clin Chim Acta* 65: 83-9, 15 Nov 75 (Eng) \*DL/76AUG481

## Quesada Allue LA

GLYCOSYL TRANSFER TO AN ACCEPTOR LIPID FROM INSECTS. Quesada Allue LA, Belocoptov E, Marechal LR *Biochem Biophys Res Commun* 66: 1201-8, 27 Oct 75 (Eng) \*DL/76AUG915

ACETYLGLUCOSAMINE (metabolism); ANIMAL; CHROMATOGRAPHY, THIN LAYER; FLIES (metabolism); GLUCOSE (metabolism); GLYCOLIPIDS (biosynthesis); INSECTS (metabolism); PHOSPHOLIPIDS (metabolism); RATS; SPECIES SPECIFICITY.

## Quevaulliers J

[RENAL INSUFFICIENCY AND DIABETES CURED BY REMOVAL OF A VILLOUS TUMOR OF THE RECTUM] Eugene C, Fingerhut A, Quevaulliers J *Nouv Presse Med* 5: 781-3, 20 Mar 1976 (Fre) DL/76AUG294

## Quiros JF

A STUDY OF THE METABOLISM OF ZINC ITS METALLOENZYMES IN DIABETES MELLITUS. Mateo MC, Bustamante JB, Quiros JF, Manchado OO *Biomedicine [Express]* 23: 134-6, 30 Apr 75 (Eng) DL/76AUG7

## Diabetes Literature—Author Index

### Quistorff B

#### Quistorff B

EFFECTS OF HYPOXIA OF 10-45 SECONDS DURATION ON ENERGY METABOLISM IN THE CEREBRAL CORTEX OF UNANESTHETIZED AND ANESTHETIZED RATS. Norberg K, Quistorff B, Siesjö BK *Acta Physiol Scand* 95: 301-10, NOV 75 (Eng) \*DL/76AUG876

#### Rabinovitch A

EFFECTS OF SECRETIN ON INSULIN SECRETION AND GLUCOSE TOLERANCE. Dupre J, Chisholm DJ, McDonald TJ, Rabinovitch A *Can J Physiol Pharmacol* 53: 1115-21, Dec 75 (Eng) DL/76AUG23

#### Rabinowitz M

TURNOVER OF MYOCARDIAL COMPONENTS IN CARDIAC HYPERTROPHY. Zak R, Martin AF, Dowell RT, Rabinowitz M *Recent Adv Stud Cardiac Struct Metab* 3: 603-14, 1973 (Eng) \*DL/76AUG808

#### Radhi OS

[GLUCAGON, STOMACH AND PANCREAS] Kalinin AP, Radhi OS *Sov Med* 43-9, Dec 75 (Rus) [82] DL/76AUG343

#### Raff MC

MAMMALIAN PLASMA MEMBRANES. Bretscher MS, Raff MC *Nature* 258: 43-9, 6 Nov 75 (Eng) [84] \*DL/76AUG753

#### Ragaglia G

[DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS] Andreoni G, Ragaglia G, Schiavi W, Bernacchino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578

#### Raheja KL

EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED INTESTINAL EPITHELIAL CELLS OF THE CHICK. Raheja KL, Tepperman J, Tepperman HM *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548

ADAPTATION, PHYSIOLOGICAL; ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; BLOOD SUGAR (metabolism); CHICKENS; DIETARY CARBOHYDRATES (administration & dosage); DIETARY FATS (administration & dosage); DIETARY PROTEINS (administration & dosage); EPITHELIAL CELLS (metabolism); FASTING; GLUCOSE (metabolism); INTESTINAL MUCOSA (physiology); INTESTINES (physiology); METHYLGALACTOSIDES (metabolism); ORGAN WEIGHT; OXIDATION-REDUCTION; SEROUS MEMBRANE (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

#### Rahn A

[DIABETIC COMA AS A TASK FOR INTENSIVE THERAPY] Singer P, Rahn A, Schliack V *Z Gesamte Inn Med* 30: 161-2 concl, 1 Sep 75 (Ger) DL/76AUG381

#### Raia AA

[EXPERIMENTAL PANCREATIC ALLOTRANSPLANTATION IN DOGS: BIOCHEMICAL ASPECTS AND EVOLUTION] Ellenbogen G, Raia AA, Zilberstein B, Pollara WM, Neto OB, Morimoto RY, Pinotti HW *Rev Hosp Clin Fac Med Sao Paulo* 30: 340-4, Jul-Aug 75 (Por) \*DL/76AUG841

#### Raiford MB

OPHTHALMOLOGY IN PREVENTIVE AND PREDICTIVE MEDICINE. Raiford MB *Ann Ophthalmol* 7: 1541-5, Dec 75 (Eng) [24] DL/76AUG450

EYE (embryology); HUMAN; HYPOGLYCEMIA (complications); OPHTHALMOLOGY;

PREVENTIVE MEDICINE; RETINA (cytology, metabolism); REVIEW; VISION DISORDERS (etiology); VISUAL PATHWAYS (cytology, embryology).

#### Raisz LG

FACTORS INFLUENCING BONE FORMATION IN ORGAN CULTURE. Raisz LG, Dietrich JW, Canalis EM *Int J Med Sci* 12: 108-14, Feb 76 (Eng) DL/76AUG130

ANIMAL EXPERIMENTS (analysis); BONE DEVELOPMENT (drug effects); CALCIUM (metabolism); CARTILAGE (growth & development); COLLAGEN (biosynthesis); DIHYDROXYCHOLECALCIFEROLS (pharmacodynamics); HYDROCORTISONE (pharmacodynamics); INSULIN (pharmacodynamics); ORGAN CULTURE; PARATHYROID HORMONE (pharmacodynamics); PHOSPHATES (biosynthesis, pharmacodynamics); PROLINE (metabolism); PROTAGLANDINS E (pharmacodynamics); PROTEINS (metabolism); RADIUS (embryology); RATS; SKULL (embryology); SOMATOMEDIN (pharmacodynamics); ULNA (embryology).

#### Rames I

[RENAL GLYCOSURIA (POSSIBILITY OF RELATION TO DIABETES MELLITUS)] Rames I, Vankova B *Vnitř Lek* 22: 268-73, Mar 76 (Cze) DL/76AUG361

ADULT; DIABETES MELLITUS (complications); ENGLISH ABSTRACT; FEMALE; GLUCOSE TOLERANCE TEST; GLYCOSURIA, RENAL (etiology); HUMAN; MALE; MIDDLE AGE.

[NORMOGLYCEMIC GLYCOSURIA IN PREGNANT WOMEN. DISCUSSION CONTRIBUTION TO THE ARTICLE OF ASSISTANT PROF. PAV AND SPERL, M.D. TUBULAR EXTRACTION OF GLUCOSE IN PREGNANT WOMEN VNIITRI LEK. 21, 1975, 12, P.1166-9] Rames I *Vnitř Lek* 22: 401-2, Apr 76 (Cze) DL/76AUG364

ADOLESCENCE; ADULT; FALLOPIAN TUBES; FEMALE; GLYCOSURIA (diagnosis); HUMAN; PREGNANCY IN DIABETES (diagnosis); PREGNANCY TRIMESTER, THIRD; PREGNANCY.

#### Ramirez VD

DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS. Ramirez VD, Gautron JP, Epelbaum J, Pattou E, Zamora A, Kordon C *Mol Cell Endocrinol* 3: 339-50, Nov 75 (Eng) \*DL/76AUG508

ANIMAL EXPERIMENTS; BIOLOGICAL ASSAY; CEREBRAL CORTEX (analysis); HYPOTHALAMUS (analysis); LH-FSH RELEASING HORMONE (analysis, immunology); MALE; MICROSCOPY, ELECTRON; ORGAN SPECIFICITY; RADIOIMMUNOASSAY; RATS; SUBCELLULAR FRACTIONS (analysis); SYNAPTOSOMES (analysis, ultrastructure).

#### Rancon F

EFFECT OF FEEDING AND FASTING ON THE EARLY STEPS OF GLUCAGON ACTION IN ISOLATED RAT LIVER CELLS. Fouchereau-Peron M, Rancon F, Freychet P, Rosselin G *Endocrinology* 98: 755-60, Mar 76 (Eng) DL/76AUG71

#### Rao CV

MECHANISM OF NUCLEOTIDE INHIBITION OF GONADOTROPIN BINDING TO CELL MEMBRANES OF BOVINE CORPUS LUTEUM. Rao CV *Mol Cell Endocrinol* 3: 255-71, Oct 75 (Eng) \*DL/76AUG507

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE DIPHOSPHATE (pharmacodynamics); ADENOSINE MONOPHOSPHATE

(pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; BINDING SITES; CATTLE; CORPUS LUTEUM (metabolism); CYTOSINE NUCLEOTIDES (pharmacodynamics); DRUG SYNERGISM; FEMALE; GONADOTROPINS, CHORIONIC (metabolism); GUANOSINE TRIPHOSPHATE (pharmacodynamics); HUMAN; KINETICS; NUCLEOTIDES, CYCLIC (pharmacodynamics); PROTEIN BINDING; RECEPTORS, HORMONE (drug effects); RIBONUCLEOTIDES (pharmacodynamics); THYMINE NUCLEOTIDES (pharmacodynamics); URACIL NUCLEOTIDES (pharmacodynamics).

#### Rasmussen P

ECTOPIC PITUITARY FUNCTION. Lindholm J, Korsgaard O, Rasmussen P *Acta Med Scand* 198: 299-302, Oct 75 (Eng) \*DL/76AUG878

#### Rassokhin VM

[EXPERIMENTAL STUDY OF MANGANESE CHLORIDE TOXICITY] Pashinskii VG, Tuzlukov AP, Rassokhin VM, Arefeva AK, Sedova KS *Farmakol Toksikol* 38: 618-20, Sep-Oct 75 (Rus) \*DL/76AUG680

#### Raszyk J

EFFECT OF INSULIN HYPOGLYCAEMIA ON ADRENOCORTICAL FUNCTION AND BLOOD PLASMA VITAMIN E AND CHOLESTEROL LEVELS IN SUCKLING AND WEANED PIGLETS. Dvorak M, Raszyk J *Physiol Bohemoslov* 25: 7-11, 1976 (Eng) DL/76AUG325

#### Ratcliffe FG

RADIOIMMUNOASSAY. Ratcliffe FG *Recent Adv Clin Nucl Med* 1: 151-87, 1975 (Eng) [119] DL/76AUG332

ALDOSTERONE (blood); ALPHA FETOPROTEINS (analysis); ANGIOTENSIN II (blood); AUSTRALIA ANTIGEN (analysis); AUTOMATIC DATA PROCESSING; CARCINOEMBRYONIC ANTIGEN (analysis); CORTICOTROPIN (blood); DIGOXIN (blood); DIPHENYLHYDANTOIN (analysis); ESTRADIOL (blood); FACTOR VIII (analysis); FERRITIN (blood); HUMAN; IMMUNOGLOBULINS (analysis); INSULIN (blood); INTRINSIC FACTOR (analysis); ISOTOPE LABELING (methods); LH (blood); MORPHINE (analysis); PARATHYROID HORMONE (blood); PLACENTAL LACTOGEN (analysis); QUALITY CONTROL; RADIOIMMUNOASSAY (methods); REVIEW; THYROTROPIN (blood).

#### Raulin J

[ADENYLATE CYCLASE/LIPASE. HORMONE RECEPTOR INDUCTION] Cresteil T, Counis R, Raulin J *Biochimie* 57: 1371-6, Nov-Dec 75 (Fre) DL/76AUG4

#### Ravazzola M

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

#### Rayford PL

SECRETIN, CHOLECYSTOKININ AND NEWER GASTROINTESTINAL HORMONES (SECOND OF TWO PARTS). Rayford PL, Miller TA, Thompson JC *N Engl J Med* 294: 1157-63, 20 May 76 (Eng) [113] DL/76AUG261



AMINO ACID SEQUENCE; ANIMAL EXPERIMENTS (analysis); BOMBESIN (secretion); CATTLE; DOGS; ENTEROGASTRONE (physiology); GASTROINTESTINAL HORMONES (biosynthesis, physiology, secretion); GLUCAGON (physiology); HUMAN; INTESTINAL SECRETIONS (physiology); MOLECULAR WEIGHT; NOMENCLATURE; PANCREATIC HORMONES (physiology); PEPTIDES; RATS; REVIEW; SECRETIN (physiology); SOMATOTROPIN RELEASE INHIBITING HORMONE (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

# Raymond L

INCREASE IN PLASMA GROWTH HORMONE CONCENTRATION: A NEW EFFECT OF HELIUM BREATHING. Raymond L, Sode J, Langworthy HC, Blosser J, Johnsonbaugh RE *Undersea Biomed Res* 1: 91-8, Mar 74 (Eng) \*DL/76AUG590

EXERTION; HUMAN (pharmacodynamics); HUMAN; MALE; SOMATOTROPIN (blood); TIME FACTORS.

# Reaven GM

INDUCTION OF HYPERTRIGLYCERIDEMIA BY A LOW-FAT DIET. Ginsberg H, Olefsky JM, Kimmerling G, Crapo P, Reaven GM *J Clin Endocrinol Metab* 42: 729-35, Apr 76 (Eng) DL/76AUG145

# Reddan JR

ELECTRON MICROSCOPY OF CULTURED MAMMALIAN LENSES. II. CHANGES PRECEDING AND ACCOMPANYING INSULIN-INDUCED MITOSIS. Reddan JR, Unaker NJ *Invest Ophthalmol* 15: 411-7, May 76 (Eng) DL/76AUG125

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS (analysis); DIBUTYRYL CYCLIC AMP (pharmacodynamics); EPITHELIAL CELLS (ultrastructure); INSULIN (pharmacodynamics); LENS, CRYSTALLINE (drug effects, ultrastructure); MITOSIS (drug effects); ORGAN CULTURE; PAPAVERINE (pharmacodynamics); RABBIT; RIBOSOMES (ultrastructure); THEOPHYLLINE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

# Reddy WJ

MALATE TRANSPORT INTO HEART MITOCHONDRIA. Digeress SB, Reddy WJ *J Mol Cell Cardiol* 7: 677-84, Sep 75 (Eng) \*DL/76AUG729

# Reedus W

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhomberg P, Dyer A, Berkson DM, Reedus W, Wannamaker J *J Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

# Reemtsma K

THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS. Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisiadis L, Hardy MA, Reemtsma K, Allen FH Jr *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

# Regan TJ

CARDIOMYOPATHY AND REGIONAL SCAR IN DIABETES MELLITUS. Regan TJ, Ahmed SS, Levinson GE, Oldewurtel HA, Ahmad MR, Haider B, Lyons MM *Trans Assoc Am Physicians* 88: 217-23, 1975 (Eng) DL/76AUG357

ALLOXAN DIABETES (complications); ANIMAL EXPERIMENTS (analysis); CARDIAC OUTPUT; CICATRIX; CORONARY CIRCULATION; DIABETES MELLITUS

(complications, physiopathology); DOGS; HEART DISEASES (etiology); HEART (physiopathology); HUMAN; MYOCARDIUM (ultrastructure); PRESSURE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

# Reichard GA

ALTERED GLUCOSE METABOLISM IN METASTATIC CARCINOMA. Holroyde CP, Gabuzda TG, Putnam RC, Paul P, Reichard GA *Cancer Res* 35: 3710-4, Dec 75 (Eng) \*DL/76AUG477

# Reig AA

[FUTURE OF ENDOCRINOLOGY] Reig AA *Rev Iber Endocrinol* 22: 393-482, Sep-Oct 75 (Spa) [1191] \*DL/76AUG842

ALDOSTERONE (metabolism); ANGIOTENSIN (metabolism); CELL MEMBRANE; ENDOCRINE DISEASES (metabolism); ENDOCRINOLOGY; ENGLISH ABSTRACT; FEMALE; FETUS (metabolism); FUTUROLOGY; GASTROINTESTINAL SYSTEM (metabolism); GROWTH; HUMAN; MOLECULAR WEIGHT; PLACENTA (metabolism); PREGNANCY; RECEPTORS, HORMONE; RENIN (metabolism); REVIEW; SOMATOTROPIN RELEASE INHIBITING HORMONE (metabolism); THYMUS GLAND (metabolism).

# Reinberg A

PERSISTING CIRCADIAN RHYTHM IN INSULIN, GLUCAGON, CORTISOL ETC. OF HEALTHY YOUNG WOMEN DURING CALORIC RESTRICTION (PROTEIN DIET). PP. 88-93. Reinberg A, Apfelbaum M, Assan R, Lacatis D *In* O Scheving LE, et al., ed. *Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) [28] DL/76AUG188

ADOLESCENCE; ADULT; BODY TEMPERATURE; CARBON DIOXIDE (blood); CIRCADIAN RHYTHM; DIET, REDUCING; FEMALE; GLUCAGON (blood); HUMAN; HYDROCORTISONE (blood); INSULIN (blood); MONOGRAPH (mortality); NITROGEN (urine); OBESITY (diet therapy); OXYGEN (blood); REVIEW.

# Reiser S

METABOLIC EFFECTS OF DIETARY CARBOHYDRATES-A REVIEW. PP. 20-45. Reiser S *In* O Jeanes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [106] DL/76AUG173

ADIPOSE TISSUE (metabolism); ADOLESCENCE; ADULT; AGE FACTORS; AGED; ANIMAL EXPERIMENTS (analysis); CARBOHYDRATES (metabolism); CHILD; CHOLESTEROL (blood); DIABETES MELLITUS (etiology); DIETARY CARBOHYDRATES (adverse effects, metabolism); DIETARY FATS; FEMALE; HEART DISEASES (etiology); HEXOSES (pharmacodynamics); HUMAN; HYPERLIPIDEMIA (etiology); INSULIN (pharmacodynamics); LIPIDS (metabolism); MALE; MIDDLE AGE; MONOGRAPH (mortality); POLYSACCHARIDES (pharmacodynamics); REVIEW; SEX FACTORS; STARCH (pharmacodynamics); SUCROSE (pharmacodynamics); TRIGLYCERIDES (blood).

EFFECTS OF SUGARS ON LEUCINE AND LYSINE UPTAKE BY INTESTINAL CELLS FROM RATS FED SUCROSE AND STOCK DIETS. Reiser S, Michaelis OE 4th, Hallfrisch J *Proc Soc Exp Biol Med* 150: 110-4, Oct 75 (Eng) \*DL/76AUG777

ANIMAL; BIOLOGICAL TRANSPORT; CARBOHYDRATES (pharmacodynamics); DIETARY CARBOHYDRATES; FRUCTOSE (pharmacodynamics); GLUCOSE (pharmacodynamics); INTESTINES (drug effects, metabolism, cytology); LEUCINE (metabolism); LYSINE (metabolism); MALE; RATS; SUCROSE (pharmacodynamics).

# Reissigl H

[BALANCED PARENTERAL NUTRITION FOLLOWING TOTAL PANCREATECTOMY. (METABOLIC DATA)] Reissigl H, Bodner E, Falser N *Infusionstherapie* 2: 120-31, Apr 75 (Ger) \*DL/76AUG700

AGED; ANTIBODIES (analysis); BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); CALCIUM (blood); CASE REPORT; CHLORIDES (blood); DUODENUM; ENGLISH ABSTRACT; FECES (analysis); FEMALE; HUMAN; INTESTINAL ABSORPTION; LIPIDS (metabolism); PANCREATECTOMY; PANCREATIC NEOPLASMS (surgery); PARENTERAL FEEDING; POSTOPERATIVE CARE; POTASSIUM (blood); SODIUM (blood); TRIGLYCERIDES (analysis).

# Reitamo S

LYSOZYME ACTIVITY IN CEREBROSPINAL FLUID. Reitamo S, Klockars M *Acta Med Scand* 199: 321-5, 1976 (Eng) DL/76AUG420

AGED; BRAIN NEOPLASMS (cerebrospinal fluid, enzymology); CENTRAL NERVOUS SYSTEM DISEASES (cerebrospinal fluid, enzymology); CEREBROVASCULAR DISORDERS (cerebrospinal fluid, enzymology); DIABETIC NEUROPATHIES (cerebrospinal fluid, enzymology); EPILEPSY (cerebrospinal fluid, enzymology); FEMALE; HUMAN; MALE; MENINGITIS (cerebrospinal fluid, enzymology); MURAMIDASE (blood, cerebrospinal fluid).

# Reitsma WD

[MONOCOMPONENT INSULIN] Reitsma WD *Ned Tijdschr Geneesk* 120: 760-2, 24 Apr 76 (Dut) DL/76AUG274

DIABETES MELLITUS (drug therapy); HUMAN; INSULIN ANTIBODIES; INSULIN (isolation & purification, therapeutic use); INSULIN (immunology).

# Rene AM

AN ATTEMPT AT BLOCKING THE CARDIOVASCULAR AND METABOLIC SIDE-EFFECTS OF BETA-MIMETIC DRUGS DURING LABOR. Esteban-Altrriba J, Rene AM, Duran P, Cabero L, Giralt E, Carreras M, Garcia-Cambrotero MT *J Perinat Med* 2: 243-53, 1974 (Eng) \*DL/76AUG724

# Reneau JK

BLOOD GLUCOSE AND TISSUE GLYCONE LEVELS IN TURKEY POULTS WITH SPONTANEOUS ROUND HEART DISEASE AND FUZZALIDONE-INDUCED CARDIOMYOPATHY. Czarnecki CM, Reneau JK, Janus EF *Avian Dis* 19: 773-80, Oct-Dec 75 (Eng) \*DL/76AUG619

# Renger F

[SIGNIFICANCE OF FATTY LIVER AS AN EARLY SYMPTOM OF DIABETES MELLITUS AND HYPERLIPOPROTEINEMIAS] Hanefeld M, Haller H, Renger F, Stotzner H *Dtsch Z Verdau Stoffwechselk* 34: 299-300, 1974 (Ger) DL/76AUG665

# Renold AE

[IMMUNOCYTOCHEMICAL IDENTIFICATION OF THE GLUCAGON-SECRETING CELLS IN GASTRIC MUCOSA] Baetens D, Rufener C, Unger RH, Renold AE, Orci L *C R Acad Sci [D] (Paris)* 282: 195-7, 12 Jan 76 (Fre) DL/76AUG39

# Retiene K

[CLINICAL ASPECTS AND THERAPY OF ADDISONS DISEASE] Schulz F, Retiene K *Anaesthesiol Intensivmed Prax* 9: 139-48, 1974 (Ger) DL/76AUG445

# Rettori R

[INDICATIONS AND RESULTS OF SURGICAL TREATMENT OF DIABETIC AR-

## Diabetes Literature—Author Index

### Reveno WS

TERIOPATHY (A PROPOS OF 196 CASES) [Levy JB, Rettori R, Olivier C *J Chir (Paris)* 110: 547-50, Dec 75 (Fre) DL/76AUG138]

### Reveno WS

MEDICINE AND THE LAW. CAN TRAUMA TRIGGER LATENT DIABETES. Reveno WS *Postgrad Med* 59: 231-5, Apr 76 (Eng) DL/76AUG310

ADULT; CASE REPORT; DIABETES MELLITUS (diagnosis, etiology); FEMALE; HUMAN; JURISPRUDENCE; MALE; WOUNDS AND INJURIES (complications).

### Rhee SW

THE SEQUENTIAL FEMOROPLOPITEAL BYPASS GRAFT. A FIVE YEAR EXPERIENCE. Friedmann P, DeLaurentis DA, Rhee SW *Am J Surg* 131: 452-6, Apr 76 (Eng) DL/76AUG443

### Rhomberg P

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhomberg P, Dyer A, Berkson DM, Reedus W, Wannamaker J *J Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

### Richardson BP

PROCEEDINGS: THE EFFECTS OF CYPROHEPTADINE PRETREATMENT ON INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS. Richardson BP, Berde B *Br J Pharmacol* 56: 356p-357p, Mar 76 (Eng) DL/76AUG11

ANIMAL EXPERIMENTS (analysis); CYPROHEPTADINE (pharmacodynamics); GLUCOSE (antagonists & inhibitors); IN VITRO; INSULIN (metabolism); ISLANDS OF LANGERHANS (drug effects, metabolism); MALE; RATS; THEOPHYLLINE (pharmacodynamics); TOLBUTAMIDE (antagonists & inhibitors).

### Richardson DP

THE EFFECTS OF FEEDING STARCH, SUCROSE, GLUCOSE OR FRUCTOSE TO RATS DURING PREGNANCY AND EARLY LACTATION. Bourne AR, Richardson DP, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 80a-81a, Sep 75 (Eng) \*DL/76AUG772

### Richens ER

AUTOIMMUNITY AND VIRAL INFECTION IN DIABETES MELLITUS. Richens ER, Ancil RJ *Clin Exp Immunol* 23: 40-6, Jan 76 (Eng) DL/76AUG45

ADOLESCENCE; ADULT; ANIMAL EXPERIMENTS (analysis); ANTIGENS; ANTIGENS, VIRAL; AUTOANTIGENS; AUTOIMMUNE DISEASES; CELL MIGRATION INHIBITION; CHILD; CHILD, PRESCHOOL; COXSACKIE VIRUS INFECTIONS; COXSACKIE VIRUSES (immunology); DIABETES MELLITUS, JUVENILE (etiology, immunology); FEMALE; HUMAN; HYPERSENSITIVITY, DELAYED; IMMUNITY, CELLULAR; LEUKOCYTES (immunology); MALE; MITOCHONDRIA, LIVER (immunology); PANCREAS (immunology); RATS.

### Rick W

[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS

TRANSL)] Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

### Riedel H

[STUDY ON THE CHRONIC TOXICITY OF 1-(4-CYCLOHEXYLUREIDOPHENOX)-2-HYDROXY-3-TERT-BUTYLAMINOPROPANE (TALINOLOL, CORDANUM, 02-115) IN THE RAT AND THE BEAGLE] Bartsch R, Merbt EM, Riedel H *Pharmazie* 30: 659-68, Oct 75 (Ger) \*DL/76AUG583

### Riehm G

[GLUCOSE CONCENTRATION IN BLOOD DURING EXERCITION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCITION IN VARIOUS BREEDS OF SWINE] Bunger U, Steinhart M, Riehm G, Gohler H, Bunger B, Lyhs L *Arch Exp Veterinaarmed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

[EFFECT OF ANEMIA ON VARIOUS REACTIONS OF THE DOMESTIC SWINE DUE TO PHYSICAL EXERCITION. 3. CHANGES IN PLASMA GLUCOSE AND LACTIC ACID CONCENTRATIONS] Bunger U, Steinhart M, Riehm G, Lyhs L *Arch Exp Veterinaarmed* 29: 581-93, 1975 (Ger) \*DL/76AUG905

[EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERCITION. 6. EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE] Bunger U, Steinhart M, Riehm G, Bunger B, Lyhs L *Arch Exp Veterinaarmed* 29: 631-40, 1975 (Ger) \*DL/76AUG906

### Riekhof FT

THE ELECTRORETINOGRAPH AFTER PERIPHERAL RETINAL ABLATION IN DIABETIC RETINOPATHY. Ogden TE, Callahan F, Riekhof FT *Am J Ophthalmol* 81: 397-402, Apr 76 (Eng) DL/76AUG434

### Rifkin H

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETERO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gledman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

### Riley WJ

THE EFFECT OF LONG-DISTANCE RUNNING ON SOME BIOCHEMICAL VARIABLES. Riley WJ, Pyke FS, Roberts AD, England JF *Clin Chim Acta* 65: 83-9, 15 Nov 75 (Eng) \*DL/76AUG481

ADIPOSE TISSUE (analysis); ADULT; BLOOD CHEMICAL ANALYSIS; BLOOD PROTEINS (analysis); BLOOD SUGAR (metabolism); BODY HEIGHT; BODY SURFACE AREA; BODY WEIGHT; CALCIUM (metabolism); CHLORIDES (blood); HUMAN; MALE; OXYGEN CONSUMPTION; RUNNING; SERUM ALBUMIN (analysis); SODIUM (blood); SPORT MEDICINE.

### Rinard GA

INTERACTING EFFECTS OF ESTROGEN, PROGESTERONE AND CATECHOLAMINES ON RAT UTERINE CYCLIC AMP AND GLYCOGEN PHOSPHORYLASE. Rinard GA, Chew CS *Life Sci* 16: 1507-12, 15 May 75 (Eng) \*DL/76AUG572

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; CATECHOLAMINES (pharmacodynamics); EPINEPHRINE (pharmacodynamics); ESTRADIOL (pharmacodynamics, antagonists & inhibitors); FEMALE; GLYCOGEN

PHOSPHORYLASE (metabolism); ISOPROTERENOL (pharmacodynamics); PROGESTERONE (pharmacodynamics); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UTERUS (drug effects, enzymology, metabolism).

### Rindfrey H

[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL)] Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

### Riva S

[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardioangiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275

### Rivas y Rivas RM

[CHANGES OF SERUM LIPIDS DURING PARENTERAL FEEDING WITH A 10 PERCENT OF SOY OIL SOLUTION (AUTHORS TRANSL)] Hernandez Lopez D, Rivera Hidalgo P, Guedea MS, Rivas y Rivas RM, Gutierrez Samperio C *Prensa Med Mex* 40: 346-51, Nov-Dec 75 (Spa) DL/76AUG314

### Rivellese A

DIURNAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS. Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113

### Rivera Hidalgo P

[CHANGES OF SERUM LIPIDS DURING PARENTERAL FEEDING WITH A 10 PERCENT OF SOY OIL SOLUTION (AUTHORS TRANSL)] Hernandez Lopez D, Rivera Hidalgo P, Guedea MS, Rivas y Rivas RM, Gutierrez Samperio C *Prensa Med Mex* 40: 346-51, Nov-Dec 75 (Spa) DL/76AUG314

### Roberts AD

THE EFFECT OF LONG-DISTANCE RUNNING ON SOME BIOCHEMICAL VARIABLES. Riley WJ, Pyke FS, Roberts AD, England JF *Clin Chim Acta* 65: 83-9, 15 Nov 75 (Eng) \*DL/76AUG481

### Robertson RP

RELATIONSHIPS BETWEEN FASTING PLASMA GLUCOSE LEVELS AND INSULIN SECRETION DURING INTRAVENOUS GLUCOSE TOLERANCE TESTS. Brunzell JD, Robertson RP, Lerner RL, Hazzard WR, Ensink JW, Bierman EL, Porte D Jr *J Clin Endocrinol Metab* 42: 222-9, Feb 76 (Eng) DL/76AUG141

### Robie SM

EQUINE SERUM LIPIDS: SERUM LIPIDS AND GLUCOSE IN MORGAN AND THOROUGHBRED HORSES AND SHETLAND PONIES. Robie SM, Janson CH, Smith SC, O'Connor JT Jr *Am J Vet Res* 36: 1705-8, Dec 75 (Eng) \*DL/76AUG612

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); BREEDING; CHOLESTEROL (blood); COMPARATIVE STUDY; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HORSES (blood); LIPIDS (blood); MALE; PHOSPHOLIPIDS (blood); PREGNANCY; SEASONS; TRIGLYCERIDES (blood).

### Robinson S

A DESIGN IMPROVEMENT IN CONTINUOUS BLOOD SAMPLING AND ANALYSIS FOR GLUCOSE IN REST AND EXERCISE. Tzankoff

## Diabetes Literature—Author Index

Romsos DR

SP, Leatherman NE, Robinson S *J Appl Physiol* 39: 873-84, Nov 75 (Eng) \*DL/76AUG710

### Robison GA

**THE BIOLOGICAL ROLE OF CYCLIC AMP: AN UPDATED OVERVIEW.** PP. 229-47. Robison GA In: Kahn RH, Lands WE, ed. *Prostaglandins and cyclic AMP*. New York, Academic Press, 1973. QU 90 S991p 1972. (Eng) [44] DL/76AUG179

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism, physiology); ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS (analysis); BACTERIA (enzymology); CELL DIVISION; DIABETES MELLITUS (metabolism); DICTYOSTELIUM (physiology); ENTEROTOXINS (pharmacodynamics); ENZYME INDUCTION; GLYCOGEN (metabolism); LYSOGENY; MITOSIS; MONOGRAPH (mortality); NEOPLASMS (etiology, metabolism); ONCOGENIC VIRUSES (physiology); PSORIASIS (metabolism); REVIEW.

### Rodbell M

**SIMPLE MODEL FOR HORMONE-ACTIVATED ADENYLATE CYCLASE SYSTEMS.** Hammes GG, Rodbell M *Proc Natl Acad Sci USA* 73: 1189-92, Apr 76 (Eng) DL/76AUG317

### Rodda BE

**OPTIMAL VISUALIZATION OF ESOPHAGEAL VARICES.** Cockerill EM, Miller RE, Chernish SM, McLaughlin GC 3d, Rodda BE *Am J Roentgenol* 126: 512-23, Mar 76 (Eng) DL/76AUG440

### Rodegerdts U

**14C-GLUCOSE AND 3SS-METABOLISM OF PIG EPIPHYSAL CARTILAGE AND ITS VARIATIONS AFTER OSTEOSTOMY.** Beckmann J, Rodegerdts U, Buddecke E *J Bone Joint Surg [Br]* 57: 506-10, Nov 75 (Eng) \*DL/76AUG535

### Rodigas P

**[INFLUENCE OF MUSCULAR EXERCISE ON BLOOD CATECHOLAMINE LEVELS IN RATS]** Rodigas P, Cession-Fossion A, Lecomte J *C R Soc Biol (Paris)* 169: 257-61, 1975 (Fre) \*DL/76AUG649

BLOOD PRESSURE (drug effects); ENGLISH ABSTRACT; EPINEPHRINE (blood); EXCRETION; LACTATES (blood); NOREPINEPHRINE (blood); PROPANOLOL (pharmacodynamics); SWIMMING.

### Rodin J

**EFFECTS OF OBESITY AND SET POINT ON TASTE RESPONSIVENESS AND INGESTION IN HUMANS.** Rodin J *J Comp Physiol Psychol* 89: 1003-9, Nov 75 (Eng) \*DL/76AUG544

ADIPOSE TISSUE; BODY WEIGHT; DIFFERENTIAL THRESHOLD; FEEDING BEHAVIOR (physiology); FEMALE; FOOD PREFERENCES; HUMAN; MALE; MOTIVATION; OBESITY (complications); SPACE PERCEPTION; SUCROSE; TASTE (physiology); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

### Rodkiewicz B

**[GLYCEMIA AND THE LEVELS OF FREE FATTY ACIDS IN SMALL-FOR-DATE BORN INFANTS AFTER MONOSACCHARIDE LOAD. COMMUNICATION I (AUTHORS TRANSL)]** Sztotowa W, Kantoch Z, Rodkiewicz B, Rola-Janicki A *Probl Med Wieku Rozwoj* 5: 75-81, 1975 (Pol) DL/76AUG316

### Rodrigues de Miranda JF

**THIN-LAYER CHROMATOGRAPHIC SEPARATION OF FREE FATTY ACIDS. ANALYSIS AND PURIFICATION OF RADIOACTIVELY LABELED FATTY ACIDS.** Rodrigues de Miranda JF, Eikelboom TD *J Chromatogr* 114: 274-9, 12 Nov 75 (Eng) \*DL/76AUG717

CARBON RADIOISOTOPES; CHROMATOGRAPHY, THIN LAYER; FATTY ACIDS, NONESTERIFIED (isolation & purification); GELS; ISOTOPE LABELING; SILICA; SOLVENTS.

### Roe TF

**FRUCTOSE-INDUCED HYPERURICEMIA: OBSERVATIONS IN NORMAL CHILDREN AND IN PATIENTS WITH HEREDITARY FRUCTOSE INTOLERANCE AND GALACTOSEMIA.** Kogut MD, Roe TF, Ng W, Nonnel GN *Pediatr Res* 9: 774-8, Oct 75 (Eng) \*DL/76AUG157

### Roelets GE

**RECOGNITION OF ANTIGEN BY B AND T LYMPHOCYTES.** Roelets GE *Adv Exp Med Biol* 66: 409-12, 1976 (Eng) DL/76AUG422

**ANTIBODY FORMATION; ANTIGENIC DETERMINANTS; ANTIGENS; B-LYMPHOCYTES (immunology); BINDING SITES; CELL MEMBRANE (immunology); GENES; GLUCAGON (immunology); HAPTENS; IMMUNOLOGIC MEMORY; T-LYMPHOCYTES (immunology).**

### Roger M

**[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY]** Schaïson G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

### Rogulski J

**EFFECTS OF MALEATE ON RENAL CARBOHYDRATE METABOLISM IN VIVO AND IN VITRO.** Rogulski J, Strzelecki T, Pacanis A, Kaminska E, Angielski S *Curr Probl Clin Biochem* 4: 106-10, 1975 (Eng) \*DL/76AUG483

ACETOACETATES (blood); ADENINE NUCLEOTIDES (metabolism); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CARBOHYDRATES (metabolism); COMPARATIVE STUDY; DICARBOXYLIC ACIDS (metabolism); FATTY ACIDS, NONESTERIFIED (blood); KIDNEY (metabolism); LIVER GLYCOGEN (biosynthesis); MALEATES (pharmacodynamics); RATS.

### Rola-Janicki A

**[GLYCEMIA AND THE LEVELS OF FREE FATTY ACIDS IN SMALL-FOR-DATE BORN INFANTS AFTER MONOSACCHARIDE LOAD. COMMUNICATION I (AUTHORS TRANSL)]** Sztotowa W, Kantoch Z, Rodkiewicz B, Rola-Janicki A *Probl Med Wieku Rozwoj* 5: 75-81, 1975 (Pol) DL/76AUG316

### Roldan A

**DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS.** Roldan A, Stevens J, Hollander VP *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321

CELLS, CULTURED; HYDROCORTISONE (pharmacodynamics); INSULIN (metabolism); LYMPHOCYTES (metabolism); LYMPHOSARCOMA (metabolism); MACROPHAGES (metabolism); NEOPLASM TRANSPLANTATION; NEOPLASMS, EXPERIMENTAL (metabolism); PHILIPPINES (physiology); RECEPTORS, HORMONE; SURFACE PROPERTIES; TEMPERATURE; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.).

### Rolleri E

**RESULTS OF A COMPARATIVE STUDY ON INSULIN RADIOIMMUNOASSAY IN 36 ITALIAN LABORATORIES.** Costantini A, Lostia O, Malvano R, Rolleri E, Taggi F, Zucchelli GC *Pathol Biol (Paris)* 23: 873-83, Dec 75 (Eng) DL/76AUG285

### Rolschau J

**CORRELATION BETWEEN HUMAN CHORIONIC SOMATOMAMMOTROPIN AND PLACENTAL WEIGHT.** Rolschau J, Date J, Kristoffersen K, Pedersen GT, Ulrich M *Acta Obstet Gynecol Scand* 54: 341-6, 1975 (Eng) \*DL/76AUG598

ADOLESCENCE; ADULT; BIRTH WEIGHT; FEMALE; HUMAN; INFANT, NEWBORN; ORGAN WEIGHT; PLACENTA (anatomy & histology); PLACENTAL LACTOGEN (blood); PREGNANCY TRIMESTER, SECOND; PREGNANCY TRIMESTER, THIRD; PREGNANCY.

### Romero JA

**RAPID CHANGES IN RAT PINEAL BETA-ADRENERGIC RECEPTOR: ALTERATIONS IN L-(3H)ALPRENOLOL BINDING AND ADENYLATE CYCLASE.** Kebabian JW, Zatz M, Romero JA, Axelrod J *Proc Natl Acad Sci USA* 72: 3735-9, Sep 75 (Eng) \*DL/76AUG766

### Romieu M

**[COMPARISON OF THE ENDOCRINE RESPONSE UNDER 2 KINDS OF ANESTHESIA: NEUROLEPTANALGESIA OF THE CHLORPROTHIXENE-DEXTROMORAMIDE TYPE AND VENOUS ANESTHESIA OF THE TYPE ALFADIONE-FENTANYL]** Romieu M, Orsetti A, Jaffiol C, Macabies J, Du Cailar J *Ann Anesthesiol Fr* 16: 711-20, Dec 75 (Fre) DL/76AUG449

ALTHESIN (pharmacodynamics); ANESTHESIA, INTRAVENOUS; ANESTHETICS (pharmacodynamics); CATECHOLAMINES (secretion); CHLORPROTHIXENE (pharmacodynamics); COMPARATIVE STUDY; DEXTROMORAMIDE (pharmacodynamics); ENGLISH ABSTRACT; EPINEPHRINE (secretion); FENTANYL (pharmacodynamics); HUMAN; HYDROCORTISONE (secretion); INSULIN (secretion); NEUROLEPTOANALGESIA; NOREPINEPHRINE (secretion); PITUITARY-ADRENAL SYSTEM (drug effects); SOMATOTROPIN (secretion); THYROTROPIN (secretion).

### Romsos DR

**FACTORS INFLUENCING ADIPOSE TISSUE RESPONSE TO FOOD CARBOHYDRATES.** PP. 46-53. Romsos DR, Leveille GA In: Jeanes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [21] DL/76AUG172

ADENINE NUCLEOTIDES (metabolism); ADIPOSE TISSUE (physiology); ANIMAL EXPERIMENTS (analysis); BIOLOGICAL TRANSPORT; BUTANEDIOLS (metabolism); DIETARY CARBOHYDRATES (metabolism); DIETARY FATS; FATTY ACIDS (biosynthesis); FRUCTOSE (metabolism); GLUCOSE (metabolism); INSULIN (physiology); LIPIDS (metabolism); LIVER (metabolism); MONOGRAPH (mortality); RATS; REVIEW; SPECIES SPECIFICITY; SWINE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.).

**BUTANEDIOL AND LIPID METABOLISM.** Romsos DR, Belo PS, Leveille GA *Fed Proc* 34: 2186-90, Nov 75 (Eng) \*DL/76AUG683

ACETOACETATES (metabolism); ADIPOSE TISSUE (metabolism, drug effects); ANIMAL; BLOOD SUGAR (metabolism); BODY WEIGHT (drug effects); BUTANEDIOLS (metabolism, pharmacodynamics); CHICKENS; DIET; HYDROXYBUTYRATES (metabolism); LACTATES (metabolism); LIPIDS (metabolism); LIVER (metabolism, drug effects); PYRUVATES (metabolism); RATS; SPECIES SPECIFICITY; SWINE; TRIGLYCERIDES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

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### Ronen I

EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS. Waterman RA, Romsos DR, Tsai AC, Miller ER, Leveille GA *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779

### Ronen I

THE CONTROL OF HYPERTENSION, ATHEROSCLEROTIC DISEASES, AND DIABETES IN A FAMILY PRACTICE. Kark SL, Kark E, Hopp C, Abramson JH, Epstein LM, Ronen I *J R Coll Gen Pract* 26: 157-69, Mar 76 (Eng) DL/76AUG202

### Roos BA

CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES. Roos BA, Deflous LJ, Rorabaugh P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76  
ANIMAL EXPERIMENTS (analysis); CALCITONIN (secretion); CELLS, CULTURED; CHOLECYSTOKININ (pharmacodynamics); GASTRIN (pharmacodynamics); GASTROINTESTINAL HORMONES (pharmacodynamics); GLUCAGON (pharmacodynamics); SALMONIDAE (physiology); SECRETIN (pharmacodynamics); SWINE; TROUT (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H. .

### Rorabaugh P

CALCITONIN SECRETION IN VITRO. II. REGULATORY EFFECTS OF ENTERIC MAMMALIAN POLYPEPTIDE HORMONES ON TROUT C-CELL CULTURES. Roos BA, Deflous LJ, Rorabaugh P *Endocrinology* 98: 1284-8, May 76 (Eng) DL/76AUG76

### Rorive G

LIPIDS AND LIPOPROTEINS IN CHRONIC URAEMIA. A STUDY OF THE INFLUENCE OF REGULAR HAEMODIALYSIS. Daubresse JC, Lerson G, Planteux G, Rorive G, Luyckx AS, Lefebvre PJ *Eur J Clin Invest* 6: 159-66, 31 Mar 76 (Eng) DL/76AUG86

### Rorth S

INACTIVATION OF GLYCOGEN PHOSPHORYLASE OF HUMAN POLYMORPHONUCLEAR LEUKOCYTES. Rorth S, Wang P, Esmann V *Scand J Clin Lab Invest* 35: 355-61, Jul 75 (Eng) \*DL/76AUG84  
ADENOSINE MONOPHOSPHATE (blood, pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); CHROMATOGRAPHY, GEL; CYSTEINE (pharmacodynamics); ENZYME ACTIVATION; GLUCOSE (pharmacodynamics); GLUCOSEPHOSPHATES (pharmacodynamics); GLYCOGEN PHOSPHORYLASE (blood); HUMAN; LEUKOCYTES (enzymology); MAGNESIUM (pharmacodynamics); PHOSPHORYLASE PHOSPHATASE (blood); SULFATES (pharmacodynamics); TEMPERATURE; TIME FACTORS.

### Rose FC

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 1. NORMAL SUBJECTS. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 373-80, Mar 76 (Eng) DL/76AUG196

THE METABOLIC AND HORMONAL RESPONSE TO GLUCAGON. PART 2. IN PATIENTS WITH MIGRAINE. Goodwin PM, Capildeo R, Harrop JS, Marks V, Rose FC *J Neurol Sci* 27: 381-8, Mar 76 (Eng) DL/76AUG197

### Rosenberg L

MUOCARDIAL INFARCTION AND ESTROGEN THERAPY IN POST-MENOPAUSAL WOMEN. Rosenberg L, Armstrong B, Phil D, Jick H *N Engl J Med* 294: 1256-9, 3 Jun 76 (Eng) DL/76AUG267

ACUTE DISEASE; ADULT; AGE FACTORS; AGED; DIABETES MELLITUS (complications); ESTROGENS (adverse effects); FEMALE; HUMAN; HYPERTENSION (complications); MENOPAUSE; MIDDLE AGE; MYOCARDIAL INFARCT (chemically induced, mortality); PREMARIN (adverse effects); SMOKING (complications); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H. .

### Rosenbloom AL

GROWTH HORMONE LEVELS DURING MORNING AND AFTERNOON NAPS. Karacan I, Rosenbloom AL, Londono JH, Williams RL, Salis PJ *Behav Neuropsychiatry* 6: 67-70, Apr 74-Mar 75 (Eng) \*DL/76AUG908

### Rosselin G

EFFECT OF FEEDING AND FASTING ON THE EARLY STEPS OF GLUCAGON ACTION IN ISOLATED RAT LIVER CELLS. Fouchereau-Peron M, Rancan F, Freychet P, Rosselin G *Endocrinology* 98: 755-60, Mar 76 (Eng) DL/76AUG71

[HETEROGENEITY OF PROTEIN HORMONES IN RADIOIMMUNOASSAY] Rosselin G, Bataille D, Laburthe M, Duran-Garcia S *Pathol Biol (Paris)* 23: 793-803, Dec 75 (Fre) DL/76AUG282

ANTIGENIC DETERMINANTS; ENGLISH ABSTRACT; GLUCAGON (analysis); GONADOTROPINS (analysis); HORMONES (analysis); HUMAN; MOLECULAR WEIGHT; PEPTIDES (analysis); PROTEIN CONFORMATION; RADIOIMMUNOASSAY; RECEPTORS, HORMONE.

### Rossi E

[HYPOGLYCEMIA AS A CAUSE OF BRAIN CHANGES] Rossi E *Pediatrics (Napoli)* 83: 424-33, 30 Sep 75 (Ita) DL/76AUG292  
BRAIN DISEASES (etiology); CASE REPORT; CHILD, PRESCHOOL; ENGLISH ABSTRACT; HUMAN; HYPOGLYCEMIA (complications); MALE.

### Roth G

[COURSE OF BLOOD SUGAR AND EOSINOPHIL COUNT DURING PREGNANCY IN CAT-TLE] Talos V, Roth G, Pop P, Trif A *Dtsch Tierarztl Wochenschr* 82: 286-8, 5 Jul 75 (Ger) \*DL/76AUG495

### Roth J

BINDING AND DEGRADATION OF INSULIN BY HUMAN PERIPHERAL GRANULOCYTES. DEMONSTRATION OF SPECIFIC RECEPTORS WITH HIGH AFFINITY. Fussganger RD, Kahn CR, Roth J, De Meyts P *J Biol Chem* 251: 2761-9, 10 May 76 (Eng) DL/76AUG134

[CELLULAR SURFACES, NEW RESULTS IN NORMAL AND MALIGNANT CELLS] Roth J *Hippokrates* 46: 427-44, Nov 75 (Ger) \*DL/76AUG522

ANIMAL EXPERIMENTS; CARBOHYDRATES (metabolism); CELL MEMBRANE PERMEABILITY; CELL MEMBRANE TRANSFORMATION; CELL TRANSFORMATION, NEOPLASTIC; GLYCOLIPIDS (metabolism); HUMAN; LIPIDS (metabolism); MICROSCOPY, ELECTRON; PLANT AGGLUTININS (metabolism).

### Rothschild MA

PROTEIN DEGRADATION IN ACUTE CARDIAC LOADING: THE PROBLEM OF REU-

TILIZATION OF AMINO ACIDS. Schreiber SS, Oratz M, Klein I, Rothschild MA *Recent Adv Stud Cardiac Struct Metab* 3: 589-601, 1973 (Eng) \*DL/76AUG806

### Rottenberg H

THE MEASUREMENT OF TRANSMEMBRANE ELECTROCHEMICAL PROTON GRADIENTS. Rottenberg H *J Bioenerg* 7: 61-74, May 75 (Eng) \*DL/76AUG713  
ANIMAL; CATTLE; CELL MEMBRANE; CHLOROPLASTS (physiology); CHROMATOPHORES (physiology); MATHEMATICS; MEMBRANE POTENTIALS; MEMBRANES (physiology); MITOCHONDRIA, LIVER (physiology); MITOCHONDRIA, MUSCLE (physiology); MYOCARDIUM; PHILIPPINES; RATS.

### Roughan PG

PHOSPHATIDYL CHOLINE: DONOR OF 18-CARBON UNSATURATED FATTY ACIDS FOR GLYCEROLIPID BIOSYNTHESIS. Roughan PG *Lipids* 10: 609-14, Oct 75 (Eng) \*DL/76AUG743

FATTY ACID DESATURASES (metabolism); FATTY ACID SYNTHETASE COMPLEX (metabolism); GRAIN (metabolism); HELIANTHUS (metabolism); LECITHINS (metabolism); LIPIDS (biosynthesis); MODELS, CHEMICAL; PHOSPHATIDYL CHOLINE (metabolism); PHOSPHATIDYL GLYCEROLS (metabolism); PLANTS (metabolism); SUNLIGHT.

### Rubenstein AH

DIABETES MELLITUS: A COMMON PROBLEM IN ADULTS. Rubenstein AH *Compr Ther* 1: 15-8, May 75 (Eng) DL/76AUG50  
ADULT; DIABETES MELLITUS (diagnosis, therapy); DIET THERAPY; GLUCOSE TOLERANCE TEST; HUMAN; HYPERGLYCEMIA (diagnosis); HYPOGLYCEMIC AGENTS (therapeutic use); INSULIN (therapeutic use).

### Rubenstein B

INHIBITION OF LIPOPROTEIN LIPASE BY UREMIC PLASMA, A POSSIBLE CAUSE OF HYPERTRIGLYCERIDEMIA. Murase T, Catran DC, Rubenstein B, Steiner G *Metabolism* 24: 1279-86, Nov 75 (Eng) \*DL/76AUG745

### Rubin H

STIMULATION OF LACTIC ACID PRODUCTION IN CHICK EMBRYO FIBROBLASTS BY SERUM AND HIGH PH IN THE ABSENCE OF EXTERNAL GLUCOSE. Fodge DW, Rubin H *J Cell Physiol* 86: 453-7, Dec 75 (Eng) \*DL/76AUG539

### Rubinstein P

THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS. Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisiadis L, Hardy MA, Reemtsma K, Allen FH Jr *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192  
DIABETES MELLITUS, JUVENILE (familial & genetic, immunology); HISTOCOMPATIBILITY ANTIGENS (classification); HL-A (classification); HUMAN; PEDIGREE; RECOMBINATION, GENETIC; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. .

### Rudland P

NUTRIENT-DEPENDENT ARREST OF FIBROBLAST GROWTH IS PARTIALLY REVERSED BY INSULIN BUT NOT FIBROBLAST GROWTH FACTOR. Kamei D, Rudland P *Nature* 260: 51-3, 4 Mar 76 (Eng) DL/76AUG271



**Rudman D**

EFFECTS OF CHOROID PLEXUS PEPTIDE IIF ON ADENYLATE CYCLASE AND 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE. Rudman D *J Pharmacol Exp Ther* 195; 532-9, Dec 75 (Eng) \*DL/76AUG552  
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (metabolism, enzymology); ANIMAL EXPERIMENTS; CALCIUM (pharmacodynamics); CATTLE; CHOROID PLEXUS (physiology); CORTICOTROPIN (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (metabolism); IN VITRO; MAGNESIUM (pharmacodynamics); MALE; MSH (pharmacodynamics); PEPTIDES (pharmacodynamics); POTASSIUM (pharmacodynamics); RABBITS; RATS; SODIUM (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

**Rufener C**

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

[IMMUNOCYTOCHEMICAL IDENTIFICATION OF THE GLUCAGON-SECRETING CELLS IN GASTRIC MUCOSA] Baetens D, Rufener C, Unger RH, Renold AE, Orci L *C R Acad Sci [D] (Paris)* 282: 195-7, 12 Jan 76 (Fre) DL/76AUG39

IDENTIFICATION OF GLUCAGON-PRODUCING CELLS (A CELLS) IN DOG GASTRIC MUCOSA. Baetens D, Rufener C, Srikant BC, Dobbs R, Unger R, Orci L *J Cell Biol* 69: 455-64, May 76 (Eng) DL/76AUG137

HYPERTROPY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

**Rusconi C**

[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardioangiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275

ADULT; ARTERIOSCLEROSIS (complications); AUTOMOBILE DRIVING; CORONARY DISEASE (etiology); DIABETES MELLITUS (complications); DIABETIC ANGIOPATHIES; ENGLISH ABSTRACT; HUMAN; MALE; MIDDLE AGE; OCCUPATIONAL DISEASES (etiology); SMOKING (complications).

[RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE, HYPERINSULINISM AND HYPERLIPIDEMIA IN ARTERIOSCLEROTIC SUBJECTS] Rusconi C, Cicogna R, Orlando G, Guerra U, Peroni A *Minerva Cardioangiol* 23: 728-34, Nov 75 (Ita) DL/76AUG276

ADULT; AGED; ARTERIOSCLEROSIS (blood, complications); BLOOD SUGAR; ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST; HUMAN; HYPERINSULINISM (etiology); HYPERLIPIDEMIA (etiology); MALE; MIDDLE AGE.

**Rush J**

THE EFFECT OF 3-MERCAPTOPICOLINIC ACID ON PHOSPHOENOLPYRUVATE CARBOXYKINASE (GTP) IN THE RAT AND GUINEA PIG. Kostos V, DiTullio NW, Rush J, Cieslinski I, Saunders HL *Arch Biochem Biophys* 171: 459-65, Dec 75 (Eng) \*DL/76AUG614

**Russell D**

BIPHASIC RESPONSE ON ORAL GLUCOSE TOLERANCE TESTING IN MYOTONIC DYSTROPHY. Russell D, Sjaastad O *Acta Neurol Scand* 53: 226-8, Mar 76 (Eng) DL/76AUG411  
ADOLESCENCE; ADULT; AGED; BLOOD SUGAR (analysis); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; MALE; MIDDLE AGE; MYOTONIA ATROPHICA (blood).

**Russell PJ**

DRINKING AND FEEDING INDUCED BY JUGULAR AND PORTAL INFUSIONS OF 2-DEOXY-D-GLUCOSE. Russell PJ, Mogenson GJ *Am J Physiol* 229: 1014-8, Oct 75 (Eng) \*DL/76AUG882

ANIMAL; BEHAVIOR, ANIMAL (drug effects); COMPARATIVE STUDY; DEOXY SUGARS (pharmacodynamics); DEOXYGLUCOSE (pharmacodynamics, administration & dosage); DRINKING (drug effects); EATING (drug effects); GLUCOSE SOLUTION, HYPERTONIC; INFUSIONS, PARENTAL; ISOTONIC SOLUTIONS; JUGULAR VEIN; MALE; PORTAL SYSTEM; RATS.

**Russell RC**

LETTER: DIABETES WITHOUT GLUCAGON. Barnes AJ, Bloom SR, Alford FP, Russell RC *Lancet* 1: 967, 1 May 76 (Eng) DL/76AUG232

**Russo JA**

THE EFFECTS OF ADP ON REVERSE ELECTRON FLOW AND THE OXYGEN EXCHANGE REACTIONS CATALYZED BY BOVINE HEART MUSCLE SUBMITOCHONDRIAL PARTICLES. Mitchell RA, Russo JA, Lamos CM *J Supramol Struct* 3: 256-60, 1975 (Eng) \*DL/76AUG740

**Rusu O**

[EARLY ADAPTATION OF PREMATURE INFANTS (HEMATOLOGICAL AND BIOCHEMICAL ASPECTS)] Rusu O, Bulat E, Iorgulescu M, Deciu L, Baltac C, Kloss D *Rev Pediatr Obstet Ginecol [Pediatri]* 24: 37-47, Jan-Mar 75 (Rum) \*DL/76AUG840

ADAPTATION, PHYSIOLOGICAL; BILIRUBIN (blood); BLOOD CELLS; BLOOD PROTEINS (biosynthesis); BLOOD SUGAR (analysis); BODY WEIGHT; ENGLISH ABSTRACT; GROWTH; HEMATOCRIT; HEMOGLOBINOMETRY; HUMAN; INFANT; INFANT, NEWBORN; INFANT, PREMATURE; LACTATES (blood); METABOLISM; WATER-ELECTROLYTE BALANCE.

**Rutenburg AM**

ADENOSINE 35 MONOPHOSPHATE IN EXPERIMENTAL HEMORRHAGIC SHOCK. PP. 249-50. Rutenburg AM *In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972.* (Eng) DL/76AUG178

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism, physiology); ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS (analysis); DOGS; GLUCAGON; INFUSIONS, PARENTAL; LIVER (metabolism, physiopathology); MONOGRAPH (mortality); RABBITS; SHOCK, HEMORRHAGIC (physiopathology).

**Ruth RC**

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA&& TRANSPORT, AND CA&&-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

**Ryan J**

THE HLB DEPENDENCY FOR DETERGENT SOLUBILIZATION OF HORMONALLY SENSITIVE ADENYLATE CYCLASE. Storm DR, Field SO, Ryan J *J Supramol Struct* 4: 221-31, 1976 (Eng) DL/76AUG221

**Sachdev Y**

BROMOCRIPTINE THERAPY IN ACROMEGALY. Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

ACROMEGALY (drug therapy, blood); ADMINISTRATION, ORAL; ADULT; AGED; BLOOD SUGAR (analysis); CLINICAL RESEARCH; DRUG EVALUATION; ERGOLINES (therapeutic use); FEMALE; FSH (blood); HUMAN; LH (blood); MALE; MIDDLE AGE; PITUITARY GLAND FUNCTION TESTS; SOMATOTROPIN (blood); THYROTROPIN-RELEASING HORMONE (diagnostic use); THYROTROPIN (blood); TIME FACTORS; 11-HYDROXYCORTICOSTEROIDS (blood); 2-BROMOCRYPTINE (therapeutic use, administration & dosage).

**Sachs G**

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557

**Sack DW**

ROLE OF MITOCHONDRIAL CALCIUM METABOLISM IN THE ALTERED CONTRACTILITY OF PRESSURE-HYPERTROPHIED RIGHT VENTRICULAR MYOCARDIUM. Sack DW, Cooper G 4th, Stava RM Jr, Coleman HM 3rd, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 195-202, 1975 (Eng) \*DL/76AUG832

ANIMAL EXPERIMENTS; BLOOD PRESSURE; CALCIUM (metabolism); CATS; HEART ENLARGEMENT (metabolism, physiopathology); HEART (anatomy & histology); IN VITRO; MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIAL CONTRACTION; MYOCARDIUM (metabolism, ultrastructure); ORGAN WEIGHT; PAPILLARY MUSCLES; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

MYOCARDIAL FUNCTION AND SUBCELLULAR CALCIUM METABOLISM IN CHRONIC POTASSIUM DEFICIENCY. Sack DW, Kim ND, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 203-11, 1975 (Eng) \*DL/76AUG833

ANIMAL EXPERIMENTS; BINDING SITES; BIOLOGICAL TRANSPORT; CALCIUM (metabolism); CATS; CELL-FREE SYSTEM; IN VITRO; MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIAL CONTRACTION; MYOCARDIUM (metabolism, ultrastructure); POTASSIUM DEFICIENCY; SARCOPLASMIC RETICULUM (metabolism).

**Sacks T**

EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS. Nichaman MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

**Sacktor B**

ENERGETICS OF THE NA&-DEPENDENT TRANSPORT OF D-GLUCOSE IN RENAL BRUSH BORDER MEMBRANE VESICLES.

# Diabetes Literature—Author Index

## Safarian EKb

Beck JC, Sacktor B *J Biol Chem* 250: 8674-80, 25 Nov 75 (Eng) \*DL/76AUG715

## Safarian EKb

[PRESENCE AND LOCALIZATION OF GLUCOSE-BINDING PROTEINS IN THE TONGUE] Ostretsova IB, Safarian EKb, Etingof RN *Dokl Akad Nauk SSSR* 223: 1484-7, 21 Aug 75 (Rus) \*DL/76AUG494

## Saffman PG

BROWNIAN MOTION IN BIOLOGICAL MEMBRANES. Saffman PG, Delbruck M *Proc Natl Acad Sci USA* 72: 3111-3, Aug 75 (Eng) \*DL/76AUG761

ANIMAL; BIOLOGICAL TRANSPORT; CELL MEMBRANE (metabolism); DIFFUSION; FROGS; MATHEMATICS; MEMBRANES (metabolism); MODELS, BIOLOGICAL; PROTEIN CONFORMATION; RHODOPSIN (metabolism); RODS AND CONES (metabolism); VISCOSITY.

## Sahyoun N

MECHANISM OF ACTIVATION OF ADENYLATE CYCLASE BY CHOLERA TOXIN. Sahyoun N, Cuatrecasas P *Proc Natl Acad Sci USA* 72: 3438-42, Sep 75 (Eng) \*DL/76AUG764

ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (ultrastructure); ANIMAL EXPERIMENTS; BINDING SITES; CELL MEMBRANE (enzymology, drug effects); CELL-FREE SYSTEM; CHOLERA; ENZYME ACTIVATION (drug effects); GANGLIOSIDES (pharmacodynamics); KINETICS; MODELS, BIOLOGICAL; MOLECULAR WEIGHT; TOXINS (pharmacodynamics, metabolism, analysis); UNITED STATES GOVERNMENT SUPPORTED, N.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.H.

## Sailer R

[EXPERIENCE IN THE TREATMENT OF ISLET ADENOMAS (AUTHORS TRANSL.)] Sailer R, Katoh E, Drunklee D, Kovacicsek S, Berger M *Munch Med Wochenschr* 118: 429-34, 2 Apr 76 (Ger) DL/76AUG259

ADOLESCENCE; ADULT; AGED; BLOOD SUGAR (analysis); BRAIN DAMAGE, CHRONIC (etiology); CHILD; ENGLISH ABSTRACT; FEMALE; FOLLOW-UP STUDIES; HUMAN; HUNGER; HYPERINSULINISM (complications, etiology); INTESINAL NEOPLASMS (surgery); ISLET CELL TUMOR (diagnosis, surgery, therapy); JEJUNUM; MALE; MIDDLE AGE; NEUROLOGIC MANIFESTATIONS; PALIATIVE TREATMENT; PANCREATIC NEOPLASMS (complications, diagnosis, surgery, therapy); TOLBUTAMIDE (diagnostic use).

## Sakamoto M

[EFFECT OF ALFALFA MEAL ON EXPERIMENTAL HYPERLIPIDEMIA] Yanaura S, Sakamoto M *Folia Pharmacol Jpn* 71: 387-93, Jul 75 (Jpn) \*DL/76AUG511

## Salfi AP

[MURRICAC SYNDROME] Salfi AP *Vrach Delo* 78-9, Feb 76 (Rus) DL/76AUG366

ADOLESCENCE; CASE REPORT; DIABETES MELLITUS, JUVENILE; DWARFISM; FEMALE; HYPATONIA; GAY; HUMAN; MALE; OBESITY IN DIABETES; SYNDROME.

## Saling EZ

THE PRESENT SITUATION OF CLINICAL MONITORING OF THE FETUS DURING LABOR. Saling EZ, Dudenhausen JW *J Perinat Med* 1: 75-103, 1973 (Eng) [96] \*DL/76AUG723

ACID-BASE EQUILIBRIUM; AMNIOCOPY; BLOOD SUGAR (analysis); BRADYCARDIA (physiopathology); FEMALE; FETAL ANOXIA (physiopathology); FETAL BLOOD (analysis);

FETAL DISEASES (physiopathology); FETAL DISTRESS (physiopathology); HEART RATE; HUMAN; LABOR; MONITORING SYSTEMS; PREGNANCY; REVIEW; UTERINE CONTRACTION.

## Salis PJ

GROWTH HORMONE LEVELS DURING MORNING AND AFTERNOON NAPS. Karacan I, Rosenbloom AL, Londono JH, Williams RL, Salis PJ *Behav Neuropsychiatry* 6: 67-70, Apr 74-Mar 75 (Eng) \*DL/76AUG908

## Salomon MI

LETTER: NODULAR GLOMERULOSCLEROSIS IN A NONDIABETIC Salomon MI *Postgrad Med* 59: 26, 29, Mar 76 (Eng) DL/76AUG307

DIABETIC NEPHROPATHIES (pathology); HUMAN; KIDNEY GLOMERULUS (pathology); SCLEROSIS (pathology).

## Saltykov BB

[VASCULAR HYALINOSIS IN DIABETIC MICROANGIOPATHY] Saltykov BB, Malkina LA *Arkh Patol* 37: 38-44, 1975 (Rus) DL/76AUG463

ADULT; AGED; BLOOD PROTEINS (analysis); BLOOD VESSELS (pathology); DIABETIC ANGIOPATHIES (blood, immunology, pathology); ENGLISH ABSTRACT; HISTOCYTOCHEMISTRY; HUMAN; HYALIN SUBSTANCE; KIDNEY (blood supply); MIDDLE AGE; PANCREAS (blood supply); SKIN (blood supply); SPLEEN (blood supply).

## Saltz SB

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPANCHIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan ME, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr. *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

## Samejima T

LETTER: OLIGOPEPTIDES AS POTENTIAL ANTIAGGREGATION AGENT FOR PROTEINS: HEMOGLOBIN'S GEL AND INSULIN DIMER. Kubota S, Chang CT, Samejima T, Yang JT *J Am Chem Soc* 98: 2677-8, 28 Apr 76 (Eng) DL/76AUG154

## Samet P

INOTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM. Hildner FJ, Yeh BK, Javier RP, Fessler A, Samet P *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31

## Sampson L

STUDIES ON GLUCONEOGENESIS AND STIMULATION OF GLYCOGEN AND PROTEIN SYNTHESIS IN ISOLATED HEPATOCYTES IN ALLOXAN DIABETIC, NORMAL FED AND FASTED ANIMALS. Wagle SR, Ingebreten WR, Sampson L. *Acta Diabetol Lat* 12: 185-98, May-Aug 75 (Eng) DL/76AUG400

## Sanada K

[CONNECTIVE TISSUE AND AGING. (2) GLYCOSYLATION OF COLLAGEN AND AGING] Murai A, Miyahara T, Shiozawa S, Sanada K *Jpn J Geriatr* 12: 128-9, May 75 (Jpn) \*DL/76AUG734

## Sanchez-Medina F

STIMULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) ACTIVITY BY LOW CONCENTRATIONS OF CIRCULATING GLUCOSE IN PERFUSED RAT LIVER. Moreno FJ, Sanchez-Urrutia I, Medina JM, Sanchez-Medina F, Mayor F *Biochem J* 150: 51-8, Jul 75 (Eng) \*DL/76AUG620

## Sanchez-Urrutia I

STIMULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) ACTIVITY BY LOW CONCENTRATIONS OF CIRCULATING GLUCOSE IN PERFUSED RAT LIVER. Moreno FJ, Sanchez-Urrutia I, Medina JM, Sanchez-Medina F, Mayor F *Biochem J* 150: 51-8, Jul 75 (Eng) \*DL/76AUG620

## Sanda M

IN VIVO CHEMOTAXIS OF RAT LEUKOCYTES IN THE PRESENCE OF CIRCULATING CHYLOMICRONS. Perper RJ, Oronsky AL, Sanda M, Stecher VJ *Atherosclerosis* 22: 257-69, Sep-Oct 75 (Eng) \*DL/76AUG923

## Sanders LL

GASTRIC EMPTYING OF HYPERTONIC GLUCOSE IN DIABETES MELLITUS AND DUODENAL ULCER. Hall WH, Sanders LL. *South Med J* 69: 433-5, Apr 76 (Eng) DL/76AUG341

## Sanderson JD

PARADOXICAL INCREASED FEEDING FOLLOWING GLUCOSE INFUSIONS IN RECOVERED LATERAL RATS. Novin D, Gonzalez MF, Sanderson JD *Am J Physiol* 230: 1084-9, Apr 76 (Eng) DL/76AUG438

## Santiago Delpin EA

PROTECTIVE EFFECT OF STEROIDS ON LIVER ISCHEMIA. Santiago Delpin EA, Figueroa I, Lopez R, Vazquez J *Am Surg* 41: 683-5, Nov 75 (Eng) \*DL/76AUG889

ADOLESCENCE; ADULT; ALKALINE PHOSPHATASE (blood); ANIMAL; ASPARTATE AMINOTRANSFERASE (blood); BILIRUBIN (blood); BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); BLOOD UREA NITROGEN; CALCIUM (blood); CASE REPORT; CHOLESTEROL (blood); FEMALE; HUMAN; ISCHEMIA (prevention & control, blood, pathology); LACTATE DEHYDROGENASE (blood); LIVER CIRCULATION; LIVER (blood supply); MALE; METHYLPREDNISOLONE (therapeutic use); PHOSPHORUS (blood); RABBITS; SERUM ALBUMIN (analysis); UNITED STATES GOVERNMENT SUPPORTED, N.H.; URIC ACID (blood).

## Saper JR

SECONDARY METABOLIC ENCEPHALOPATHY. DIAGNOSIS AND TREATMENT. Saper JR *Postgrad Med* 59: 122-8, May 76 (Eng) [84] DL/76AUG312

ANOXIA (complications); BRAIN DISEASES (diagnosis, etiology, therapy); BRAIN (metabolism); DRUG THERAPY (adverse effects); ELECTROENCEPHALOGRAPHY; HUMAN; HYPERGLYCEMIA (complications); HYPERTENSION (complications); LUNG DISEASES (complications); METABOLIC DISEASES (diagnosis, etiology, therapy); NEUROLOGIC EXAMINATION; REVIEW; TIME FACTORS.

## Sarau HM

METABOLISM OF DOG GASTRIC MUCOSA. NUCLEOTIDE LEVELS IN PARIENTAL CELLS. Sarau HM, Foley J, Moonsammy G, Wiebelhaus VD *J Biol Chem* 250: 8321-9, 10 Nov 75 (Eng) \*DL/76AUG527

ACETATES (metabolism); ADENINE NUCLEOTIDES (metabolism); ANIMAL EXPERIMENTS; DOGS; GASTRIC MUCOSA (metabolism, cytology, blood supply); GLUCOSE (metabolism); GLYCOCEN (metabolism); HYDROXYBUTYRATES (metabolism); LACTATES (metabolism); NAD (metabolism); NADP (metabolism); PHOSPHATES, INORGANIC (metabolism); PHOSPHOCREATINE (metabolism);

PIRUVATES (metabolism); REGIONAL BLOOD FLOW; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

**Sarma JS**

**THE EFFECT OF CARBON MONOXIDE ON LIPID METABOLISM OF HUMAN CORONARY ARTERIES.** Sarma JS, Tillmanns H, Ikeda S, Bing RJ *Atherosclerosis* 22: 193-8, Sep-Oct 75 (Eng) \*DL/76AUG922

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**Sato K**

**REEVALUATION OF MICROPUNCTURE TECHNIQUES: SOME OF THE FACTORS WHICH AFFECT THE RATE OF FLUID ABSORPTION BY THE PROXIMAL TUBULE.** Sato K *Curr Probl Clin Biochem* 4: 175-87, 1975 (Eng) \*DL/76AUG487

ABSORPTION; ANIMAL EXPERIMENTS; BICARBONATES (pharmacodynamics); CAPILLARIES (metabolism); CYANIDES (pharmacodynamics); ENERGY METABOLISM; GLUCOSE (metabolism); HYDROSTATIC PRESSURE; KIDNEY TUBULES, PROXIMAL (metabolism); MAGNESIUM (metabolism); MALE; MANNITOL (pharmacodynamics); MODELS, BIOLOGICAL; PERFUSION (methods); POTASSIUM (metabolism); RATS.

**Saunders HL**

**THE EFFECT OF 3-MERCAPTOPYRUVIC ACID ON PHOSPHOENOLPYRUVATE CARBOXYKINASE (GTP) IN THE RAT AND GUINEA PIG.** Kostov V, DiTullio NW, Rush J, Cieslinski L, Saunders HL *Arch Biochem Biophys* 171: 459-65, Dec 75 (Eng) \*DL/76AUG614

**Savajol H**

**[PLASMA CALCITONIN LEVELS AND METABOLIC EFFECTS OF PORCINE CALCITONIN IN NEWBORN LAMBS (AUTHORS TRANSL.)** Barlet JP, Michel MC, Theriez M, Savajol H, Garel JM *J Physiol (Paris)* 68: 519-29, 1974 (Fre) \*DL/76AUG554

**Savolainen MJ**

**CYCLIC AMP-LINKED MECHANISMS IN ETHANOL-INDUCED DERANGEMENTS OF METABOLISM IN RAT LIVER AND ADIPOSE TISSUE.** Jauhonen VP, Savolainen MJ, Hassinen W *Biochem Pharmacol* 24: 1879-83, 15 Oct 75 (Eng) \*DL/76AUG919

**Schaffer M**

**EFFECT OF PROTEIN INTAKE AND DIALYSIS ON THE ABNORMAL GROWTH HORMONE, GLUCOSE, AND INSULIN HOMEOSTASIS IN UREMIA.** Davidson MB, Fisher MB, Dabir-Vaziri N, Schaffer M *Metabolism* 25: 455-64, Apr 76 (Eng) DL/76AUG245

**Schaion G**

**[THE EFFECTS OF SOMATOSTATIN IN ACROMEGALY]** Schaion G, Roger M, Milhaud G *Nouv Presse Med* 5: 629-32, 6 Mar 76 (Fre) DL/76AUG293

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**Schalch DS**

**[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY]** Gonzalez-Barcena D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

**Schally AV**

**[RESPONSE TO ACUTE ADMINISTRATION OF PITUITARY INHIBITING HORMONE, GROWTH HORMONE AND ONE OF ITS ANALOGUES IN ACROMEGALY]** Gonzalez-Barcena D, Kastin AJ, Coy DH, Schalch DS, Lara-Vasconcelos M, Gonzalez-Sanchez A, Schally AV *Arch Invest Med (Mex)* 6: 505-12, 1975 (Spa) \*DL/76AUG902

**Scharer K**

**GLUCONEOGENESIS IN ISOLATED NEPHRON SEGMENTS OF THE RABBIT.** Hohmann B, Scharer K *Curr Probl Clin Biochem* 4: 47-50, 1975 (Eng) \*DL/76AUG491

**Scharn M**

**SODIUM IODOACETATE AS AN ANTIGLYCOLYTIC AGENT IN BLOOD SAMPLES.** Marbach EP, McLean M, Scharn M, Jones T *Clin Chem* 21: 1810-2, Nov 75 (Eng) \*DL/76AUG658

**Schenk H**

**STUDIES ON PLASMA FREE-FATTY-ACID METABOLISM AND TRIGLYCERIDE SYNTHESIS OF BROWN ADIPOSE TISSUE IN VIVO DURING COLD-INDUCED THERMOGENESIS OF THE NEWBORN RABBIT.** Schenk H, Heim T, Mende T, Varga F, Goetze E *Eur J Biochem* 58: 15-22, 1 Oct 75 (Eng) \*DL/76AUG675

ANIMAL; ANIMALS, NEWBORN; BODY TEMPERATURE REGULATION; BROWN FAT (metabolism); COLD; DIGLYCERIDES (metabolism); FATTY ACIDS, NONESTERIFIED (blood); GLYCERIDES (metabolism); RABBITS; REGRESSION ANALYSIS; TRIGLYCERIDES (biosynthesis).

**Schenker S**

**THIAMINE TRANSPORT ACROSS THE RAT INTESTINE. II. EFFECT OF ETHANOL.** Hoyumpa AM Jr, Breen KJ, Schenker S, Wilson FA *J Lab Clin Med* 86: 803-16, Nov 75 (Eng) \*DL/76AUG721

**Scheuer J**

**EFFECT OF PHYSICAL CONDITIONING ON METABOLISM AND PERFORMANCE OF THE RAT HEART.** Scheuer J, Penpargkul S, Bhan AK *Recent Adv Stud Cardiac Struct Metab* 3: 145-59, 1973 (Eng) \*DL/76AUG789

ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; ANOXIA (metabolism); BODY WEIGHT; CARBOHYDRATES (metabolism); CARDIAC OUTPUT; CORONARY VESSELS (physiology); ENERGY METABOLISM; FATTY ACIDS, NONESTERIFIED (metabolism); GLYCOGEN (metabolism); HEART (physiology, anatomy & histology); MYOCARDIUM (metabolism, enzymology); ORGAN WEIGHT; OXYGEN CONSUMPTION; PHYSICAL CONDITIONING, ANIMAL; PHYSICAL FITNESS; RATS; REGIONAL BLOOD FLOW.

**Schiavi P**

**THE ASSESSMENT OF NOCTURNAL REMISSION IN THE DIFFERENTIAL DIAGNOSIS OF SEXUAL IMPOTENCE.** Fisher C, Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL/76AUG203

**Schiavi W**

**[DIAGNOSTIC VALUE OF THE SERUM GLUCO-AMYLASE TEST IN CHRONIC PANCREATITIS]** Andreoni G, Ragaglia G, Schiavi W, Bernaccino C *Minerva Med* 66: 4251-8, 24 Nov 75 (Ita) \*DL/76AUG578

**Schindler AE**

**METABOLISM OF 14C-DEHYDROEPIANDROSTERONE IN FEMALE ADIPOSE TISSUE AND VENOUS BLOOD.** Schindler AE, Aymar M *Endocrinol Exp (Bratisl)* 9: 215-22, Sep 75 (Eng) \*DL/76AUG668

ADIPOSE TISSUE (metabolism); ANDROSTENEDIONE (biosynthesis); CARBON RADIOISOTOPES; CHROMATOGRAPHY; DEHYDROEPIANDROSTERONE (metabolism, blood); FEMALE; HUMAN; IN VITRO; TESTOSTERONE (biosynthesis); VEINS.

**Schinkmann L**

**BIOCHEMICAL AND BIOPHYSICAL CHANGES IN GUINEA PIGS AFTER ACUTE HEAD INJURY.** Hausdoerfer J, Heller W, Schinkmann L *Resuscitation* 4: 77-86, 1975 (Eng) \*DL/76AUG586

**Schioiu L**

**CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT.** Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasilu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

**Schliack V**

**[DIABETIC COMA AS A TASK FOR INTENSIVE THERAPY]** Singer P, Rahn A, Schliack V *Z Gesamte Inn Med* 30: 161-2 concl, 1 Sep 75 (Ger) DL/76AUG381

**Schmid M**

**[LETTER: HL-A GROUPS IN JUVENILE DIABETES]** Cathelineau G, Cathelineau L, Hors J, Schmid M, Dausset J *Nouv Presse Med* 5: 586, 28 Feb 76 (Fre) DL/76AUG299

**Schneider M**

**[A FURTHER CASE OF MALIGNANT HYPERTENSION AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (PROVERATRIL). (AUTHORS TRANSL.)** Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446

**Schneyer U**

**[RADIOIMMUNOLOGICAL DETERMINATIONS OF INSULIN IN SMALL SERUM SAMPLES USING WICK-CHROMATOGRAPHY]** Ulrich E, Schneyer U, Hadecke J *Endokrinologie* 63: 364-7, 1974 (Ger) DL/76AUG79

**Schober KL**

**[STUDY OF METABOLISM IN RECONSTRUCTIVE OPERATIONS FOR DUMPING SYNDROME]** Schober KL, Palkoska F, Viiachki I, Hanke P, Schultz K *Chirurgia (Sofia)* 28: 122-6, 1975 (Bul) DL/76AUG214

ANTIGENS (analysis); BLOOD SUGAR (analysis); DUMPING SYNDROME (metabolism, surgery); ENGLISH ABSTRACT, GERMANY, EAST; HUMAN; INSULIN (analysis).

# Diabetes Literature—Author Index

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### Schoenberger JA

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

### Schoene NW

DECREASED SUSCEPTIBILITY TO THROMBIN AND COLLAGEN PLATELET AGGREGATION IN MAN FED A LOW FAT DIET. Iacono JM, Binder RA, Marshall MW, Schoene NW, Jencks JA, Mackin JF *Haemostasis* 3: 306-18, 1974 (Eng) \*DL/76AUG689

### Scholer A

[A MICROMETHOD FOR THE DETERMINATION OF GLUCOSE IN 20 MICROLITER SAMPLES WITH THE AUTOANALYZER (AUTHORS TRANSL.)] Holm H, Pianezzi A, Scholer A *Z Klin Chem Klin Biochem* 13: 541-3, Dec 75 (Ger) \*DL/76AUG594

### Schollhammer I

LIVER MICROSOMAL BETA-GLUCURONIDASE AND UDP-GLUCURONYLTRANSFERASE. Schollhammer I, Poll DS, Bickel MH *Enzyme* 20: 269-76, 1975 (Eng) \*DL/76AUG496

### ADENOSINE TRIPHOSPHATE

(pharmacodynamics); ANIMAL EXPERIMENTS; CATIONS, DIVALENT; CATTLE; GLUCURONIDASE (metabolism); HEXOSYLTRANSFERASES (metabolism); HORSES; KINETICS; LACTONES (pharmacodynamics); MALE; MICE; MICROSONES, LIVER (enzymology); PHILIPPINES; RATS; SPECIES SPECIFICITY; SUGAR ALCOHOLS (pharmacodynamics); SWINE; URIDINE DIPHOSPHATE N-ACETYLGLUCOSAMINE (pharmacodynamics); UDP GLUCURONOSYLTRANSFERASE (metabolism); ZINC (pharmacodynamics).

### Schoner W

STIMULATION OF RENAL GLUCONEOGENESIS BY L-ALANINE AND AIB. Friedrichs D, Schoner W *Curr Probl Clin Biochem* 4: 79-84, 1975 (Eng) \*DL/76AUG493

### Schramm M

FATTY ACIDS AS MODULATORS OF MEMBRANE FUNCTIONS: CATECHOLAMINE-ACTIVATED ADENYLATE CYCLASE OF THE TURKEY ERYTHROCYTE. Orly J, Schramm M *Proc Natl Acad Sci USA* 72: 3433-7, Sep 75 (Eng) \*DL/76AUG763

### Schray KJ

PROTON MAGNETIC RELAXATION STUDIES OF THE INTERACTION OF D-XYLOSE AND XYLITOL WITH D-XYLOSE ISOMERASE. CHARACTERIZATION OF METAL-ENZYME-SUBSTRATE INTERACTIONS. Young JM, Schray KJ, Mildvan AS *J Biol Chem* 250: 9021-7, 10 Dec 75 (Eng) \*DL/76AUG531

### Schreiber SS

PROTEIN DEGRADATION IN ACUTE CARDIAC LOADING: THE PROBLEM OF REUTILIZATION OF AMINO ACIDS. Schreiber SS, Oratz M, Klein I, Rothschild MA *Recent Adv Stud Cardiac Struct Metab* 3: 589-601, 1973 (Eng) \*DL/76AUG806

AMINO ACIDS (metabolism); ANIMAL; BLOOD PRESSURE; GUINEA PIGS; HEART ENLARGEMENT (metabolism); IN VITRO; LYSINE (metabolism); MUSCLE PROTEINS (metabolism); BIOSYNTHESIS; PHENYLALANINE (metabolism); PUROMYCIN (pharmacodynamics); TRANSLATION, GENETIC (drug effects).

### Schultz K

[STUDY OF METABOLISM IN RECONSTRUCTIVE OPERATIONS FOR DUMPING SYNDROME] Schober KL, Palkoska F, Viachki I, Hanke P, Schultz K *Khirurgia (Sofia)* 28: 122-6, 1975 (Bul) DL/76AUG214

### Schulz B

[VARIOUS INSULIN-SECRETION PATTERNS IN THE EARLY PHASE FOLLOWING ORAL ADMINISTRATION OF GLUCOSE AND CELLULOSE] Schulz B, Michaelis D, Neumann I, Heinke P *Endokrinologie* 63: 358-63, 1974 (Ger) DL/76AUG78

ADMINISTRATION, ORAL; ADULT; ANTIGENS; BLOOD SUGAR; CELLULOSE (administration & dosage); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (administration & dosage); HUMAN; INSULIN (secretion); MALE; PANCREAS (physiology); PREDIABETIC STATE (diagnosis); TIME FACTORS.

[DIAGNOSIS OF THE EARLY STAGES OF DIABETES AND PREVENTION OF DIABETES MANIFESTATIONS] Michaelis D, Neumann I, Schulz B *Z Gesamte Inn Med* 30: 42-4, May 75 (Ger) DL/76AUG386

### Schulz F

[CLINICAL ASPECTS AND THERAPY OF ADDISON'S DISEASE] Schulz F, Retiene K *Anaesthesiol Intensivmed Prax* 9: 139-48, 1974 (Ger) DL/76AUG445

ADDISON'S DISEASE (complications, diagnosis, drug therapy); DESOXYCORTICOSTERONE (therapeutic use); FATIGUE (etiology); GASTROINTESTINAL DISEASES (etiology); HUMAN; HYDROCORTISONE (therapeutic use); HYPOGLYCEMIA (etiology); HYPOTENSION (etiology); MALE.

### Schuster SM

EXPLORING SITES ON MITOCHONDRIAL ATP-ASE FOR CATALYSIS, REGULATION, AND INHIBITION. Lardy HA, Schuster SM, Ebel RE *J Supramol Struct* 3: 214-21, 1975 (Eng) \*DL/76AUG738

### Schwab C

MEMBRANE PERMEABILITY AS A CAUSE OF TRANSPORT DEFECTS IN EXPERIMENTAL FANCONI SYNDROME. A NEW HYPOTHESIS. Bergeron M, Dubord L, Hauser C, Schwab C *J Clin Invest* 57: 1181-9, May 76 (Eng) DL/76AUG150

### Schwandt P

[TREATMENT OF PRIMARY HYPERLIPOPROTEINEMIAS TYPE IV WITH DIFFERENT BIGUANIDES (AUTHORS TRANSL.)] Weisweiler P, Schwandt P *Klin Wochenschr* 54: 283-5, 15 Mar 76 (Ger) DL/76AUG216

[EFFECT OF CLOFIBRATE ON GLUCOSE TOLERANCE AND INSULIN SECRETION IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA (AUTHORS TRANSL.)] Schwandt P, Weisweiler P, Neureuther G, Wilkening J *Munch Med Wochenschr* 118: 351-4, 19 Mar 76 (Ger) DL/76AUG257

ADMINISTRATION, ORAL; BLOOD SUGAR (metabolism); BODY WEIGHT; CHOLESTEROL (blood); CLOFIBRATE (pharmacodynamics, therapeutic use); ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST (methods); GLUCOSE (administration & dosage, metabolism); HUMAN; HYPERLIPIDEMIA (blood, drug therapy); INJECTIONS, INTRAVENOUS; INSULIN (secretion); LIPOPROTEINS, VLDL (blood); OBESITY (blood); TRIGLYCERIDES (blood).

### Schwartz A

THE TRANSPORT ENZYME: PHARMACOLOGIC RECEPTOR FOR CARDIAC GLYCOSIDES.

Allen JC, Entman ML, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 131-7, 1974 (Eng) \*DL/76AUG817

MITOCHONDRIAL CALCIUM METABOLISM IN ISCHEMIC AND FAILING MYOCARDIUM. Sordahl LA, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 535-40, 1974 (Eng) \*DL/76AUG822

### Schwartz CJ

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. IV. INFLUENCE OF INSULIN AND EPINEPHRINE ON LIPOGENESIS FROM (14C)-U-GLUCOSE. Somer JB, Schwartz CJ *Exp Mol Pathol* 24: 129-41, Apr 76 (Eng) DL/76AUG88

### Schwartz IL

DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX. Kinne R, Shlatz LJ, Kinne-Saffran E, Schwartz IL *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

### Schwartz JP

GLYCOLYTIC METABOLISM IN CULTURED CELLS OF THE NERVOUS SYSTEM. I. GLUCOSE TRANSPORT AND METABOLISM IN THE C-6 GLIOMA CELL LINE. Lust WD, Schwartz JP, Passonneau JV *Mol Cell Biochem* 8: 169-76, Sep 75 (Eng) \*DL/76AUG749

### Schwiegler F

EFFECTS OF ARGININE HOMOLOGOUS AND OTHER GUANIDINO COMPOUNDS ON THE ATP LEVEL AND GLUCOSE OXIDATION IN ISOLATED FAT CELLS. Schwiegler F, Stock W *Hoppe Seylers Z Physiol Chem* 356: 839-44, Jun 75 (Eng) \*DL/76AUG693

ADENOSINE TRIPHOSPHATE (metabolism); ADIPOSE TISSUE (metabolism, drug effects); ANIMAL; ARGININE (analogs & derivatives, pharmacodynamics); EPINEPHRINE (pharmacodynamics); GLUCOSE (metabolism); GUANIDINES (pharmacodynamics, chemical synthesis); IN VITRO; MALE; RATS.

### Scott KM

PHOSPHATE AND SUBSTRATE TRANSPORT BY ISOLATED HEART MITOCHONDRIA. Brierley GP, Scott KM, Jurkowitz M, Merola AJ *Recent Adv Stud Cardiac Struct Metab* 4: 245-52, 1974 (Eng) \*DL/76AUG820

### Secchi C

INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG. Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

### Sedova KS

[EXPERIMENTAL STUDY OF MANGANESE CHLORIDE TOXICITY] Pashinskii VG, Tuzlov AP, Rassokhin VM, Arefeva AK, Sedova KS *Farmakol Toksikol* 38: 618-20, Sep-Oct 75 (Rus) \*DL/76AUG680

### Seftel HC

CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES. Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

### Segal HL

PURIFICATION AND PHYSIOLOGICAL ROLE OF A PEPTIDE STABILIZING FACTOR OF RAT LIVER PHOSPHOFRUCTOKINASE. Dunaway GA, Segal HL *J Biol Chem* 251: 2323-9, 25 Apr 76 (Eng) DL/76AUG133



**ENZYMES OF GLYCOGEN METABOLISM AND THEIR CONTROL.** PP. 235-43. Segal HL. In: *Jeunes A, Hodge J, ed. Physiological effects of food carbohydrates.* Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [1] DL/76AUG171

**ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (physiology); ANIMAL EXPERIMENTS (analysis); FEEDBACK; GLUCOCORTICOID (physiology); GLUCOSE (physiology); GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGEN SYNTHETASE PHOSPHATASE (metabolism); GLYCOGEN SYNTHETASE (metabolism); GLYCOGEN (metabolism); HOMEOSTASIS; HUMAN; INSULIN (physiology); LIVER (enzymology); MONOGRAPH (mortality); MUSCLES (enzymology); PHOSPHORYLASE KINASE (metabolism); PHOSPHORYLASE PHOSPHATASE (metabolism); PROTEIN KINASE (metabolism); REVIEW.**

### Segel IH

**KINETIC ANALYSIS OF ACTIVE MEMBRANE TRANSPORT SYSTEMS: EQUATIONS FOR NET VELOCITY AND ISOTOPIC EXCHANGE.** Cappelletti J, Segel IH. *J Theor Biol* 53: 125-44, Sep 75 (Eng) \*DL/76AUG564

### Segesser B

**ASCORBIC ACID AND ATHLETIC PERFORMANCE.** Howald H, Segesser B, Korner WF. *Ann NY Acad Sci* 258: 458-64, 30 Sep 75 (Eng) \*DL/76AUG613

### Seifert J

**CONCENTRATION AND TRANSPORT OF DIFFERENT SUGARS IN THE LYMPH OF THE THORACIC DUCT AND IN BLOOD OF THE PORTAL VEIN IN DOGS AFTER ENTERAL AND PARENTERAL ADMINISTRATION.** Seifert J, Prohs H, Messmer K, Bucklein R, Lob G, Mehnert H, Brendel W. *Digestion* 12: 221-31, 1975 (Eng) \*DL/76AUG688

**ANIMAL; BIOLOGICAL TRANSPORT; BLOOD SUGAR (metabolism); CARBOHYDRATES (metabolism); CATHETERIZATION; DOGS; FRUCTOSE (metabolism, blood, administration & dosage); GALACTOSE (metabolism, administration & dosage); GALACTOSEMIA (metabolism); GLUCOSE (metabolism, administration & dosage); HEPATIC VEINS (physiology); INJECTIONS, INTRAVENOUS; INTESTINAL ABSORPTION; INULIN (metabolism, blood, administration & dosage); LYMPH (metabolism); MESENTERIC VEINS (physiology); PORTAL VEIN (physiology); THORACIC DUCT (physiology).**

### Seige K

**[THERAPY OF DIABETES MELLITUS TODAY]** Seige K, Ulrich E. *Z Gesamte Inn Med* 30: 37-42, May 75 (Ger) DL/76AUG385

**DIABETES MELLITUS (diet therapy, immunology, prevention & control, therapy); DIABETIC ANGIOPATHIES (therapy); DIABETIC DIET; ENGLISH ABSTRACT; GENETIC COUNSELING; HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use); INSULIN (therapeutic use).**

### Seino Y

**XYLITOL: STIMULATION OF INSULIN AND INHIBITION OF GLUCAGON RESPONSES TO ARGinine IN MAN.** Seino Y, Taminato T, Inoue Y, Goto Y, Ikeda M. *J Clin Endocrinol Metab* 42: 736-43, Apr 76 (Eng) DL/76AUG146

**ADULT; ARGinine (blood, diagnostic use); GLUCAGON (blood); HUMAN; INSULIN (blood); MALE; TIME FACTORS; XYLITOL (pharmacodynamics).**

### Seitz WR

**EVALUATION OF PEROXYOXALATE CHEMILUMINESCENCE FOR DETERMINA-**

**TION OF ENZYME GENERATED PEROXIDE.** Williams DC 3d, Huff GF, Seitz WR. *Anal Chem* 48: 1003-6, Jun 76 (Eng) DL/76AUG447

### Semenenko EI

**[RADIOCHEMICAL CHANGES IN POLYMERS USED FOR PACKAGING DRUGS] PP. 159-69.** Ivanov AI, Ponomarenko SI, Kovalchuk VM, Semenenko EI, Myshkovskii VI, I USON-Stienon JA, Leclercq G. In: *Radioisotopes in medical products 1974.* Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Rus) DL/76AUG185

### Senault C

**EFFECTS OF DIET AND COLD ACCLIMATION ON LIPID COMPOSITION OF RAT INTERSCAPULAR BROWN ADIPOSE TISSUE.** Senault C, Hlusko MT, Portier R. *Ann Nutr Aliment* 29: 67-77, 1975 (Eng) \*DL/76AUG891

**ACCLIMATIZATION; ANIMAL; BROWN FAT (metabolism); CHOLESTEROL (metabolism); COLD; DIETARY FATS (administration & dosage, analysis); FATTY ACIDS (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); LIPIDS (metabolism); MALE; PHOSPHOLIPIDS (metabolism); RATS; SCAPULA; TRIGLYCERIDES (metabolism).**

### Sener A

**THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XX. FASTING: A MODEL FOR ALTERED GLUCOSE RECOGNITION BY THE B-CELL.** Levy J, Herchuelz A, Sener A, Malaisse WJ. *Metabolism* 25: 583-91, May 76 (Eng) DL/76AUG247

### Seppala PO

**GROWTH HORMONE AND CORTISOL SECRETION AFTER ORAL AND INTRAVENOUS ADMINISTRATION OF METHYLDOPA.** Syvalahti E, Seppala PO, Isalo E. *Acta Pharmacol Toxicol (Kbh)* 37: 257-64, Sep 75 (Eng) \*DL/76AUG874

### Serur JR

**HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA.** Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick EH. *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG813

### Sewell DL

**GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERM-FREE RATS.** Sewell DL, Bruckner-Kardoss E, Lorenz LM, Westmann BS. *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322

**AGE FACTORS; ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (metabolism); CATECHOLAMINES (blood); EPINEPHRINE (blood); GERM-FREE LIFE; GLUCOSE TOLERANCE TEST; INSULIN (blood); MALE; NOREPINEPHRINE (blood); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. .**

### Seyberth HW

**INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS.** Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Danon A, Frolich JC, Heimberg M, Oates JA. *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

**ADENOSINE DIPHOSPHATE (pharmacodynamics); ADULT; ARACHIDONIC ACIDS (metabolism, blood, pharmacodynamics); BLOOD PLATELETS (metabolism); CLINICAL RESEARCH; DIET; HUMAN; IN VITRO; LINOLEIC ACIDS (blood); LIPIDS (metabolism, blood); MALE; PLATELET AGGREGATION (drug effects); PROSTAGLANDINS E (metabolism); PROSTAGLANDINS (biosynthesis); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**

### Shahab LW

**EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES.** Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschkoff S. *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

### Shaklai M

**LETTER: PHENYTOIN IN METASTATIC INSULINOMA.** Aderka D, Shaklai M, Doron M, Laron Z, Pinkhas J, De Vries A. *JAMA* 234: 1119, 15 Dec 75 (Eng) \*DL/76AUG733

### Shamrai EF

**[EFFECT OF VEGETABLE POLYPHENOLS ON THE LEVEL OF GLYCOGEN IN THE TISSUES AND GLUCOSE IN THE BLOOD OF STARVING RABBITS]** Shamrai EF, Stroeve LM, Shuliakivska TO. *Ukr Biokhim Zh* 47: 107-9, Jan-Feb 75 (Ukr) \*DL/76AUG589

**ANIMAL EXPERIMENTS; ASCORBIC ACID (pharmacodynamics); BIOFLAVONOIDS (pharmacodynamics); BLOOD SUGAR; CATS; DERMATOLOGIC AGENTS (pharmacodynamics); ENGLISH ABSTRACT; GLYCOGEN (metabolism); LIVER GLYCOGEN (metabolism); MUSCLES (metabolism); MYOCARDIUM (metabolism); PHENOLS (pharmacodynamics); RABBITS; STARVATION (metabolism); TANNINS (pharmacodynamics).**

### Shanley BC

**EFFECT OF ALCOHOL ADMINISTRATION ON PLASMA GROWTH HORMONE RESPONSE TO INSULIN-INDUCED HYPOGLYCEMIA.** Priem HA, Shanley BC, Malan C. *Metabolism* 25: 397-403, Apr 76 (Eng) DL/76AUG242

### Sharman IM

**VARIATIONS IN THE COMPOSITION OF BLOOD AND URINE FOLLOWING THE INGESTION OF A HIGH-PROTEIN DIET.** Heeley DM, Sharman IM, Cooper DF. *Proc Nutr Soc* 34: 69a, Sep 75 (Eng) \*DL/76AUG771

### Sharp FR

**LOCAL SITES OF ACTIVITY-RELATED GLUCOSE METABOLISM IN RAT OLFACTORY BULB DURING OLFACTORY STIMULATION.** Sharp FR, Kauer JS, Shepherd GM. *Brain Res* 98: 596-600, 21 Nov 75 (Eng) \*DL/76AUG646

**ANIMAL; BRAIN MAPPING; DEOXYGLUCOSE (metabolism); GLUCOSE (metabolism); OLFACTORY BULB (metabolism); RATS; SMELL (physiology).**

### Shaw L

**ACTIVE TRANSPORT IN ESCHERICHIA COLI B MEMBRANE VESICLES. DIFFERENTIAL INACTIVATING EFFECTS FROM THE ENZYMIC OXIDATION OF BETA-CHLORO-L-ALANINE AND BETA-CHLORO-D-ALANINE.** Kaczorowski G, Shaw L, Laura R, Walsh C. *J Biol Chem* 250: 8921-30, 10 Dec 75 (Eng) \*DL/76AUG530

### Shearburn EW 3d

**HEMODYNAMIC AND METABOLIC ALTERATIONS IN PERIPHERAL TISSUE DURING HEMORRHAGIC SHOCK.** Shearburn EW 3d, Craig WD, Maitland CL, Howard PL, McCoy S, Drucker WR. *Am Surg* 41: 696-703, Nov 75 (Eng) \*DL/76AUG890

**ANIMAL; BLOOD FLOW VELOCITY; BLOOD PRESSURE; BLOOD SUGAR (metabolism); DOGS; HEMATOCRIT; HEMODYNAMICS; HINDLIMB; MUSCLES (metabolism); OXYGEN (blood); PHILIPPINES; SHOCK, HEMORRHAGIC (metabolism, blood, physiopathology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**

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### Shekelle RB

#### Shekelle RB

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhombert P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

#### Shekelle S

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhombert P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

#### Sheng YB

SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN—A REVIEW. Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237

#### Shepherd GM

LOCAL SITES OF ACTIVITY-RELATED GLUCOSE METABOLISM IN RAT OLFACTORY BULB DURING OLFACTORY STIMULATION. Sharp FR, Kauer JS, Shepherd GM *Brain Res* 98: 596-600, 21 Nov 75 (Eng) \*DL/76AUG646

#### Sherill BC

PERMEABILITY CHARACTERISTICS OF THE ADIPOCYTE CELL MEMBRANE AND PARTITIONING CHARACTERISTICS OF THE ADIPOCYTE TRIGLYCERIDE CORE. Sherill BC, Dietzschy JM *J Membr Biol* 23: 367-83, 1975 (Eng) \*DL/76AUG558  
ADIPOSE TISSUE (metabolism, cytology); ANIMAL EXPERIMENTS; BILE ACIDS AND SALTS (metabolism); BIOLOGICAL TRANSPORT; CELL MEMBRANE PERMEABILITY; CELL MEMBRANE (metabolism); CHOLIC ACIDS (metabolism); DECAHOIC ACIDS (metabolism); DEOXYCHOLIC ACID (metabolism); ENERGY TRANSFER; FATTY ACIDS (metabolism); FATTY ALCOHOLS (metabolism); GLUCOSE (metabolism); GLYCOLS (metabolism); KINETICS; LAURIC ACIDS (metabolism); OCTANOIC ACIDS (metabolism); RATS; TRIGLYCERIDES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

#### Shibata S

DEPENDENCE OF PLATELET ADENYL CYCLASE SYSTEM ON OXIDATIVE PHOSPHORYLATION. Hashimoto S, Shibata S, Kobayashi B *Thromb Diath Haemorrh* 34: 42-9, 30 Sep 75 (Eng) \*DL/76AUG852

#### Shih JC

HISTIDINE:PYRUVATE TRANSAMINATION AND PHENYLALANINE:PYRUVATE TRANSAMINATION MAY BE CATALYZED BY THE SAME ENZYME. Shih JC, Chiu RH, Chan YL *Biochem Biophys Res Commun* 68: 1348-53, 22 Feb 76 (Eng) DL/76AUG468  
AMINOTRANSFERASES (isolation & purification, metabolism); ANIMAL EXPERIMENTS (analysis); GLUCAGON (pharmacodynamics); HEAT; HISTIDINE; KINETICS; LIVER (drug effects, enzymology); PHENYLALANINE; PYRUVATES; RATS; TEMPERATURE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. )

#### Shimano N

AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241

#### Shimizu S

AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADING ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241

#### Shimizu Y

A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS. Harano Y, Shimizu Y, Yoshida M, Ditani N, Kim CI *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399

#### Shiozawa S

[CONNECTIVE TISSUE AND AGING. (2) GLYCOSYLATION OF COLLAGEN AND AGING] Murai A, Miyahara T, Shiozawa S, Sanada K *Jpn J Geriatr* 12: 128-9, May 75 (Jpn) \*DL/76AUG734

#### Shiple RA

RATE OF INCORPORATION OF CO<sub>2</sub> CARBON INTO GLUCOSE AND OTHER BODY CONSTITUENTS IN VIVO. Shipley RA, Gibbons AP *Can J Physiol Pharmacol* 53: 895-902, Oct 75 (Eng) \*DL/76AUG474

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; ACTIVE; BLOOD SUGAR (metabolism); CARBON DIOXIDE (metabolism); FASTING; GLUCONEOGENESIS; GLUCOSE (metabolism); GLYCOSYLATION (biosynthesis); LIPIDS (biosynthesis); LIVER GLYCOSYLATION (biosynthesis); MALE; MATHEMATICS; MODELS, BIOLOGICAL; RATS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

#### Shlitz LJ

DISTRIBUTION OF MEMBRANE-BOUND CYCLIC AMP-DEPENDENT PROTEIN KINASE IN PLASMA MEMBRANES OF CELLS OF THE KIDNEY CORTEX. Kinne R, Shlitz LJ, Kinne-Saffran E, Schwartz II *J Membr Biol* 24: 145-59, 7 Nov 75 (Eng) \*DL/76AUG559

#### Shohet SB

DETERMINANTS OF THE FORMATION AND ACTIVITY OF FACTOR V-PHOSPHOLIPID COMPLEXES. I. INFLUENCE OF PHOSPHOLIPID STRUCTURE. Kandall CL, Shohet SB, Akinbami TK, Colman RW *Thromb Diath Haemorrh* 34: 256-70, 30 Sep 75 (Eng) \*DL/76AUG849

#### Shuliakivska TO

EFFECT OF VEGETABLE POLYPHENOLS ON THE LEVEL OF GLYCOSYLATION IN THE TISSUES AND GLUCOSE IN THE BLOOD OF STARVING RABBITS [Shamrai EF, Stroeve IM, Shuliakivska TO *Ukr Biokhim Zh* 47: 107-9, Jan-Feb 75 (Ukr) \*DL/76AUG589

#### Siegelau AB

PREDICTORS OF SUDDEN CARDIAC DEATH. Friedman GD, Klatsky AL, Siegelau AB *Circulation* 52: 164-9, Dec 75 (Eng) \*DL/76AUG656

#### Siesjo BK

EFFECTS OF HYPOXIA OF 10-45 SECONDS DURATION ON ENERGY METABOLISM IN THE CEREBRAL CORTEX OF

UNANESTHETIZED AND ANESTHETIZED RATS. Norberg K, Quistorff B, Siesjo BK *Acta Physiol Scand* 95: 301-10, NOV 75 (Eng) \*DL/76AUG76

#### Simmons RL

PARANEOPLASTIC SYNDROMES. PP. 145-51. Burk M, Matas AJ, Simmons RL. In: *Najarian JS, Delaney JP, ed. Advances in cancer surgery*. New York, Stratton, 1976. QZ 268 A244 1975. (Eng) DL/76AUG182

#### Simon B

EFFECTS OF SH-REAGENTS OF DIFFERENT MOLECULAR SIZE UPON GLUCOSE METABOLISM IN ISOLATED RAT FAT CELLS. Kather H, Simon B *Horm Metab Res* 7: 415-8, Sep 75 (Eng) \*DL/76AUG690

#### Singer P

[DIABETIC COMA AS A TASK FOR INTENSIVE THERAPY] Singer P, Rahn A, Schliack V *Z Gesamte Inn Med* 30: 161-2 concl, 1 Sep 75 (Ger) DL/76AUG381

BERLIN; BRAIN EDEMA (prevention & control); CRITICAL CARE; DIABETIC COMA (therapy); ENGLISH ABSTRACT; HUMAN; INTENSIVE CARE UNITS; POTASSIUM (therapeutic use).

#### Singer SJ

MEMBRANE FLUIDITY AND CELLULAR FUNCTIONS. Singer SJ *Adv Exp Med Biol* 62: 181-92, 1975 (Eng) [41] \*DL/76AUG599  
ANIMAL EXPERIMENTS; BINDING SITES; BIOLOGICAL TRANSPORT; ENDOCYTOSIS; MEMBRANES (physiology, ultrastructure); MODELS, BIOLOGICAL; PROTEINS (metabolism); RECEPTORS; DRUG; REVIEW.

#### Singer TP

THE QUEST FOR COUPLING SITE I. Singer TP, Gutman M *Horiz Biochem Biophys* 1: 261-302, 1974 (Eng) [48] \*DL/76AUG698  
ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism, pharmacodynamics); CYTOCHROMES (metabolism); DIPHOSPHOGLYCERIC ACIDS (metabolism); ELECTRON TRANSPORT; FERRICYANIDES; KINETICS; NADH, NADPH OXIDOREDUCTASES (metabolism); OXIDATION-REDUCTION; OXIDATIVE PHOSPHORYLATION; OXYGEN CONSUMPTION (drug effects); PHOSPHATES, INORGANIC (metabolism); REVIEW; UBIQUINONE (metabolism).

#### Singh JN

ADENYL CYCLASE ACTIVITY IN THE HYPOXIC HEART. McNamara DB, Sulakhe PV, Singh JN, Dhalla NS *Recent Adv Stud Cardiac Struct Metab* 3: 303-9, 1973 (Eng) \*DL/76AUG797

#### Singh M

ROLE OF ADRENALS IN THE VITAMIN A-MEDIATED INCREASE IN THE ACTIVITIES OF GLUCONEOGENIC ENZYMES OF RAT LIVER. Singh M, Nigh VN, Venkatasubramanian TA *Life Sci* 17: 859-65, 15 Sep 75 (Eng) \*DL/76AUG573

ADRENAL GLANDS (physiology); ALANINE AMINOTRANSFERASE (metabolism); ANIMAL EXPERIMENTS; BICARBONATES (metabolism); BLOOD SUGAR (biosynthesis); ENZYME ACTIVATION; GLUCONEOGENESIS (drug effects); GLUCOSEPHOSPHATASE (metabolism); HEXOSEDIPHOSPHATASE (metabolism); LIVER (enzymology, metabolism); MALE; PHOSPHOENOLPYRUVATE CARBOXYKINASES (metabolism); PYRUVATE CARBOXYLASE (metabolism); RATS; VITAMIN A (pharmacodynamics).

#### Singh SP

NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakor P *Prog Food*

*Nutr Sci* 1: 531-58, 1975 (Eng) [135]  
DL/76AUG330

**Singhal BS**

EALES DISEASE WITH NEUROLOGICAL INVOLVEMENT. PART 2. PATHOLOGY AND PATHOGENESIS. Dastur DK, Singhal BS *J Neurol Sci* 27: 323-45, Mar 76 (Eng) DL/76AUG195

**Sinha S**

INSULIN STIMULATES ACTIVE SODIUM TRANSPORT IN TOAD BLADDER BY TWO MECHANISMS. Wiesmann WP, Sinha S, Klahr S *Nature* 260: 546-7, 8 Apr 76 (Eng) DL/76AUG272

**Sirek A**

FAILURE OF ERGOTAMINE TO ACT AS AN AMPLIFIER OF SULFONYLUREA-STIMULATED INSULIN SECRETION. Sirek A, Sirek OV, Policova Z *Acta Diabetol Lat* 12: 199-201, May-Aug 75 (Eng) DL/76AUG401  
ANIMAL EXPERIMENTS (analysis); ERGOTAMINE (pharmacodynamics); FEMALE; GLIBENCLAMIDE (pharmacodynamics); INSULIN (blood, secretion); MALE; RATS.

**Sirek OV**

FAILURE OF ERGOTAMINE TO ACT AS AN AMPLIFIER OF SULFONYLUREA-STIMULATED INSULIN SECRETION. Sirek A, Sirek OV, Policova Z *Acta Diabetol Lat* 12: 199-201, May-Aug 75 (Eng) DL/76AUG401

**Sjaastad O**

BIPHASIC RESPONSE ON ORAL GLUCOSE TOLERANCE TESTING IN MYOTONIC DYSTROPHY. Russell D, Sjaastad O *Acta Neurol Scand* 53: 226-8, Mar 76 (Eng) DL/76AUG411

**Skachova J**

[GAMMA GLUTAMYL-TRANSEPTIDASE ACTIVITY AND FREE FATTY ACID LEVEL IN DIABETES (AUTHORS TRANSL.) Stork A, Skachova J, Kozakova B, Fabian E, Fabianova J, Cermak K *Cas Lek Cesk* 115: 384-7, 2 Apr 76 (Cze) DL/76AUG28

**Skrabalo Z**

COMPARISON BETWEEN CYTOCHEMICAL CHANGES, CONCENTRATION OF PAS-POSITIVE SUBSTANCES IN PERIPHERAL BLOOD LYMPHOCYTES AND CHANGES OF BLOOD GLUCOSE VALUES DURING THE ORAL GLUCOSE TOLERANCE TEST. Papic Z, Katona G, Crepinko I, Skrabalo Z *Acta Diabetol Lat* 12: 232-8, May-Aug 75 (Eng) DL/76AUG405

**Slater DN**

PANCREATIC ISCHAEMIA: SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

ADIPOSE TISSUE (pathology); AMYLASE (blood); ANIMAL EXPERIMENTS (analysis); ISCHEMIA (pathology); ISLANDS OF LANGERHANS (blood supply, pathology); MALE; PANCREAS (blood supply, pathology, physiology); RATS; TIME FACTORS.

**Slayman CL**

ELECTROGENIC PROTON TRANSPORT IN THE PLASMA MEMBRANE OF NEUROSPORA. Slayman CL, Gradmann D *Biophys J* 15: 968-71, Sep 75 (Eng) \*DL/76AUG639  
BIOLOGICAL TRANSPORT; CELL MEMBRANE (metabolism, drug effects); CYANIDES (pharmacodynamics); MEMBRANE POTENTIALS (drug effects); MODELS, CHEMICAL; NEUROSPORA (metabolism, drug effects); PROTONS.

**Slijepcevic M**

ISLET TRANSPLANTATION IN EXPERIMENTAL DIABETES OF THE RAT. IV. THE INFLUENCE OF TRANSPLANTATION SITE AND OF HISTOCOMPATIBILITY ON ISLET FUNCTION. Federlin K, Slijepcevic M, Helmke K *Horm Metab Res* 8: 97-101, Mar 76 (Eng) DL/76AUG116

**Sloan IG**

SHORT-TERM MEASUREMENT OF D-XYLOSE UPTAKE BY ISOLATED RAT SOLEUS MUSCLE. Sloan IG, Korbl GP, Gould MK *Mol Cell Endocrinol* 4: 223-37, Mar 76 (Eng) DL/76AUG96

ANIMAL EXPERIMENTS (analysis); BIOLOGICAL TRANSPORT; BIOLOGICAL TRANSPORT, ACTIVE; DIFFUSION; EXTRACELLULAR SPACE (metabolism); INSULIN (pharmacodynamics); KINETICS; MUSCLES (drug effects, metabolism); RATS; SORBITOL (metabolism); XYLOSE (metabolism).

**Slusnyte R**

ATP SYNTHESIS DRIVEN BY PROTONMOTIVE FORCE IMPOSED ACROSS ESCHERICHIA COLI CELL MEMBRANES. Grinits L, Slusnyte R, Griniuvienė B *FEBS Lett* 57: 290-3, 1 Oct 75 (Eng) \*DL/76AUG681

**Smirnova LK**

[INSULIN CONTENT OF RAT BLOOD FOLLOWING INJURY TO THE VENTROMEDIAL SECTION OF THE HYPOTHALAMUS] Goldberg RS, Kasatkina N, Lazaris I, Smirnova LK *Bull Exp Biol Med* 79: 40-3, Jun 75 (Rus) DL/76AUG9

**Smith DF**

PROCEEDINGS: MECHANISM OF COLLAGEN: GLUCOSYLTRANSFERASE AND ITS RELATION TO PLATELET: COLLAGEN ADHESION. Smith DF, Kosow DP, Jamieson GA *Thromb Diath Haemorrh* 34: 334, 30 Sep 75 (Eng) \*DL/76AUG850  
ADENOSINE DIPHOSPHATE (metabolism); BLOOD PLATELETS (metabolism); COLLAGEN (metabolism); GLUCOSYLTRANSFERASES (metabolism); HUMAN; IN VITRO; KINETICS; PLATELET AGGREGATION (drug effects); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; URACIL NUCLEOTIDES (metabolism).

**Smith SC**

EQUINE SERUM LIPIDS: SERUM LIPIDS AND GLUCOSE IN MORGAN AND THOROUGHBRED HORSES AND SHETLAND PONIES. Robie SM, Janson CH, Smith SC, O'Connor JT Jr *Am J Vet Res* 36: 1705-8, Dec 75 (Eng) \*DL/76AUG612

**Smythe A**

PANCREATIC ISCHAEMIA: SENSITIVITY AND REVERSIBILITY OF THE CHANGES. Slater DN, Bardsley D, Mangnall Y, Smythe A, Fox M *Br J Exp Pathol* 56: 530-6, Dec 75 (Eng) DL/76AUG1

**Snappe WJ Jr**

HORMONAL CONTROL OF ESOPHAGEAL FUNCTION. Snappe WJ Jr, Cohen S *Arch Intern Med* 136: 538-42, May 76 (Eng) DL/76AUG457

ANIMAL EXPERIMENTS (analysis); CHOLECYSTOKININ (physiology); ESOPHAGEAL DISEASES (physiopathology); ESOPHAGOGASTRIC JUNCTION (physiology); ESOPHAGUS (physiology); GASTRIN (physiology); GASTROINTESTINAL HORMONES (physiology); GLUCAGON (physiology); HUMAN; PRESSURE; SECRETIN (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.).

**Sneer A**

[POSTPRANDIAL LEVELS OF BLOOD SUGAR, CHOLESTEROL AND TOTAL LIPIDS IN A GROUP OF NORMAL STUDENTS] Sneer A, Buicu C, Dughir E, Dimitriu M *Rev Med Chir Soc Med Nat Iasi* 79: 555-60, Oct-Dec 75 (Rum) DL/76AUG333

ADOLESCENCE; AGE FACTORS; BLOOD SUGAR (analysis); CHOLESTEROL (blood); DIABETES MELLITUS, JUVENILE (occurrence); ENGLISH ABSTRACT; FASTING; FEMALE; FOOD; HUMAN; LIPIDS (blood); MALE; RUMANIA).

**Snell K**

GLUCONEOGENESIS IN THE NEONATAL RAT: THE METABOLISM AND DISPOSITION OF ALANINE DURING POSTNATAL DEVELOPMENT. PP. 77-95. Snell K *Ino Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism. London, Academic Press, 1975. WD 205 N842 1974. [Eng] [49] DL/76AUG168*

ADENOSINE TRIPHOSPHATE (metabolism); AGING; ALANINE AMINOTRANSFERASE (metabolism); ALANINE (metabolism); ALANINE (blood); ANIMAL EXPERIMENTS (analysis); ANIMALS, NEWBORN; COMPARATIVE STUDY; ENERGY METABOLISM; GLUCONEOGENESIS; GLUCOSE (metabolism); HYDROCORTISONE (pharmacodynamics); HYPOGLYCEMIA (enzymology); IN VITRO; LACTATES (metabolism); LIVER (drug effects, metabolism); MONOGRAPH (mortality); MUSCLES (metabolism); NITROGEN (metabolism); PERFUSION; PYRUVATE CARBOXYLASE (metabolism); RATS; REVIEW; SERINE (metabolism); UREA (metabolism).

**Soberman R**

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETER-TO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

**Sode J**

INCREASE IN PLASMA GROWTH HORMONE CONCENTRATION: A NEW EFFECT OF HELIUM BREATHING. Raymond L, Sode J, Langworthy HC, Blosser J, Johnsonbaugh RE *Undersea Biomed Res* 1: 91-8, Mar 74 (Eng) \*DL/76AUG590

**Soeldner JS**

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller RA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

**Sokoloverova IM**

[ULTRASTRUCTURE OF THE STRIA VASCULARIS OF THE COCHLEA IN ALLOXAN DIABETES] Kozlov Mla, Onegova RF, Petrov VS, Sokoloverova IM *Zh Ushn Nos Gorg Holec* 36-40, Mar-Apr 76 (Rus) DL/76AUG393

**Soler NG**

POTASSIUM STATUS OF PATIENTS WITH CIRRHOSIS. Soler NG, Jain S, James H, Paton A *Gut* 17: 152-7, Feb 76 (Eng) DL/76AUG106  
ADULT; AGED; ALCOHOLISM (complications); ASCITES (metabolism); COMPARATIVE STUDY; DIABETES MELLITUS (metabolism); DIURETICS (adverse effects, therapeutic use); FEMALE; HUMAN; LIVER CIRRHOSIS (etiology, metabolism); LIVER (drug effects); MALE; MIDDLE AGE; POTASSIUM (analysis, metabolism).

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### Solez K

#### Solez K

CLONAL CHARACTERISTICS OF FIBROUS PLAQUES AND FATTY STREAKS FROM HUMAN AORTAS. Pearson TA, Wang BA, Solez K, Heptinstall RH *Am J Pathol* 81: 379-87, Nov 75 (Eng) \*DL/76AUG880

#### Somer JB

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. IV. INFLUENCE OF INSULIN AND EPINEPHRINE ON LIPOGENESIS FROM (14C)-U-GLUCOSE. Somer JB, Schwartz CJ *Exp Mol Pathol* 24: 129-41, Apr 76 (Eng) DL/76AUG88

ANIMAL EXPERIMENTS (analysis); AORTA (drug effects, metabolism); ARABINOSIDE (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; DIGLYCERIDES (biosynthesis); EPINEPHRINE (pharmacodynamics); EVANS BLUE; GLUCOSE (metabolism); INSULIN (pharmacodynamics); KINETICS; LIPIDS (biosynthesis); PHOSPHOLIPIDS (biosynthesis); STEROLS (biosynthesis); SWINE; TRIGLYCERIDES (biosynthesis).

#### Sonnenblick EH

HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA. Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG813

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA&& TRANSPORT, AND CA&&-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

#### Sood U

A STUDY OF SUBCUTANEOUS STAPHYLOCOCCAL INFECTION IN ALLOXAN DIABETIC MICE. Sood U, Agarwal DS, Aurora AL *Indian J Med Res* 63: 1564-76, Nov 75 (Eng) DL/76AUG118

ALLOXAN DIABETES (complications); ANIMAL EXPERIMENTS (analysis); FEMALE; MALE; MICE; SKIN (pathology); STAPHYLOCOCCAL INFECTIONS (complications, pathology); STAPHYLOCOCCUS AUREUS.

#### Sordahl LA

MITOCHONDRIAL CALCIUM METABOLISM IN ISCHEMIC AND FAILING MYOCARDIUM. Sordahl LA, Schwartz A *Recent Adv Stud Cardiac Struct Metab* 4: 535-40, 1974 (Eng) \*DL/76AUG822

ANIMAL; BIOLOGICAL TRANSPORT, ACTIVE; CALCIUM (metabolism); CORONARY DISEASE (metabolism); DOGS; HEART ENLARGEMENT (metabolism); HEART FAILURE, CONGESTIVE (metabolism); MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIUM (ultrastructure); OXYGEN CONSUMPTION; RABBITS; TIME FACTORS.

#### Soslau G

STIMULATION OF 2-DEOXY-D-GLUCOSE TRANSPORT IN CONTROL AND VIRUS-TRANSFORMED CELLS BY ETHIDIUM BROMIDE. Soslau G, Nass MM *J Cell Physiol* 86: 269-80, Oct 75 (Eng) \*DL/76AUG538

BIOLOGICAL TRANSPORT, ACTIVE (drug effects); CELL COUNT; CELL LINE; CELL TRANSFORMATION, NEOPLASTIC; COMPARATIVE STUDY; CYTOCHALASIN B (pharmacodynamics); DEOXY SUGARS (metabolism); DEOXYGLUCOSE (metabolism); ETHIDIUM (pharmacodynamics); GLUCOSE (pharmacodynamics); KINETICS; NEURAMINIDASE (pharmacodynamics); PHILIPPINES; ROUS SARCOMA VIRUS; STIMULATION, CHEMICAL; TEMPERATURE;

UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

#### Soukupova V

TRANSPORT OF 4-DEOXY- AND 6-DEOXY-D-GLUCOSE IN BAKERS YEAST. Kotyk A, Michaljanicova D, Veres K, Soukupova V *Folia Microbiol (Praha)* 20: 496-503, 1975 (Eng) \*DL/76AUG515

#### Soumer-Dauphant AM

CONVERSION OF SORBITOL TO MANNITOL WHEN USED PARENTERALLY. Soumer-Dauphant AM, Chambon P, Chabert JM *Clin Chim Acta* 67: 325-8, 15 Mar 76 (Eng) DL/76AUG42

CHROMATOGRAPHY, GAS; CHROMATOGRAPHY, THIN LAYER; FRUCTOSE (urine); GLYCOSURIA; HEAD INJURIES (metabolism); HUMAN; MANNITOL (biosynthesis, urine); NUTRITION DISORDERS (metabolism); SORBITOL (metabolism).

#### Spahn U

[ADIPOSYTIC IN CHILDREN] Spahn U, Knoll G, Plenert W *Kinderaerztl Prax* 43: 166-80, Apr 75 (Ger) [71] DL/76AUG213

ADIPOSE TISSUE (pathology); AGE FACTORS; CHILD; FASTING; FATTY ACIDS, NONESTERIFIED (metabolism); GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (blood); LIPIDS (metabolism); OBESITY IN DIABETES (metabolism); OBESITY (metabolism); REVIEW; SOMATOTROPIN (secretion).

#### Spandrio L

[CORONARY RISK FACTORS AND ISCHEMIC HEART DISEASE IN BUS DRIVERS AND CONDUCTORS] Rusconi C, Arosio G, Orlando G, Petroboni V, Riva S, Gola E, Benedini G, Cicogna R, Frau G, Prandini BD, Spandrio L, Feroldi P *Minerva Cardiol* 23: 718-27, Nov 75 (Ita) DL/76AUG275

#### Spaziani E

ACCESSORY REPRODUCTIVE ORGANS IN MAMMALS: CONTROL OF CELL AND TISSUE TRANSPORT BY SEX HORMONES. Spaziani E *Pharmacol Rev* 27: 207-86, Jun 75 (Eng) [566] \*DL/76AUG782

AMINO ACIDS (metabolism); ANIMAL; BIOLOGICAL TRANSPORT; CAPILLARY PERMEABILITY; CARBOHYDRATES (metabolism); COLLAGEN (physiology); CONNECTIVE TISSUE (physiology); FEMALE; GROWTH; HUMAN; HYDROLASES (metabolism); IN VITRO; IONS (metabolism); LYSOSOMES (enzymology); MALE; MAMMALS (physiology); NEUROHORMONES (physiology); NEURONS (physiology); NUCLEIC ACIDS (metabolism); REGIONAL BLOOD FLOW; REVIEW; SEX FACTORS; SEX HORMONES (physiology); UROGENITAL SYSTEM (physiology); WATER (metabolism).

#### Spranger J

THE EPIPHYSEAL DYSPLASIAS. Spranger J *Clin Orthop* 46: 59, Jan-Feb 76 (Eng) DL/76AUG46

ADOLESCENCE; BONE DISEASES, DEVELOPMENTAL (classification, familial & genetic, pathology, radiography); CHILD; CHILD, PRESCHOOL; CHONDRODYSSTROPHIA CALCIFICANS CONGENITA (pathology); DIABETES MELLITUS, JUVENILE (complications); EPIPHYSES (pathology); EYE DISEASES (complications); FEMALE; HUMAN; HYPOTHYROIDISM (pathology); INFANT, NEWBORN; TARSAL BONES (pathology).

#### Spratto GR

THE ROLE OF THE ADRENAL MEDULLA IN THE CONTROL OF GLUCONEOGENESIS IN THE RAT. Born CK, Spratto GR *Res Commun Chem Pathol Pharmacol* 12: 481-98, Nov 75 (Eng) \*DL/76AUG585

#### Srikant BC

IDENTIFICATION OF GLUCAGON-PRODUCING CELLS (A CELLS) IN DOG GASTRIC MUCOSA. Baetens D, Rufenner C, Srikant BC, Dobbs R, Unger R, Orci L *J Cell Biol* 69: 455-64, May 76 (Eng) DL/76AUG137

#### Stahl J

STUDIES ON THE ASYMMETRIC ARRANGEMENT OF MEMBRANE-LIPID-ENVELOPED VIRIONS AS A MODEL SYSTEM. Stoffel W, Anderson R, Stahl J *Hoppe Seyler's Z Physiol Chem* 356: 1123-9, Jul 75 (Eng) \*DL/76AUG518

#### Stahler E

METABOLISM AND ULTRASTRUCTURE IN OVARIES OF ALLOXAN-DIABETIC JUVENILE RATS. Stahler E, Neumann HO, Niehammer KM *Arch Gynaekol* 220: 199-208, 5 Mar 76 (Eng) DL/76AUG461

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ALKALINE PHOSPHATASE (metabolism); ALLOXAN DIABETES (metabolism, pathology); ANIMAL EXPERIMENTS (analysis); FEMALE; GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); ISOCRITATE DEHYDROGENASE (metabolism); LACTATES (metabolism); MALATE DEHYDROGENASE (metabolism); MICROSCOPY, ELECTRON; NADP (metabolism); OVARY (enzymology, metabolism, pathology); PYRUVATES (metabolism); RATS.

#### Stajner A

[CHANGES IN THE LEVELS OF NONESTERIFIED RAT SERUM FATTY ACIDS UNDER PHYSIOLOGIC AND STRESS CONDITIONS (AUTHORS TRANSL)] Suva J, Stajner A *Cas Lek Cesk* 114: 1104-7, 5 Sep 75 (Cze) \*DL/76AUG653

#### Stakeberg H

[EXPERIENCES FROM INTENSIVE MEDICAL CARE AT THE SAHLGRENSKA HOSPITAL] Bunkertorp O, Jonsson D, Stakeberg H *Lakarutidningen* 73: 1720-2, 28 Apr 76 (Swe) DL/76AUG228

#### Stam AC

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA&& TRANSPORT, AND CA&&-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

#### Stamenova T

[CHANGES IN BLOOD COAGULATION IN DIABETIC NEPHROPATHY] Astrug A, Khristov L, Stamenova T *Vutr Boles* 14: 69-75, 1975 (Bul) DL/76AUG369

#### Stamler J

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhomberg P, Dyer A, Berkson DM, Reedus W, Wannamaker J *J Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

ADULT; AGE FACTORS; BLOOD PRESSURE; BLOOD SUGAR (metabolism); BODY WEIGHT; CAUCASIAN RACE; CHICAGO; CHOLESTEROL (blood); CROSS SECTIONAL STUDIES; FEMALE; HEART RATE; HEMATOCRIT; HUMAN; MALE; MIDDLE AGE; MULTIPHASIC SCREENING; NEGROID RACE; REGRESSION ANALYSIS; STATISTICS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.



MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

ADULT; AGE FACTORS; AMERICAN HEART ASSOCIATION; BLOOD PRESSURE; BLOOD SUGAR (metabolism); BODY WEIGHT; CAUCASIAN RACE; CHICAGO; CHOLESTEROL (blood); CROSS SECTIONAL STUDIES; FEMALE; HEART RATE; HUMAN; MALE; MIDDLE AGE; NEGROID RACE; REGRESSION ANALYSIS; SMOKING; STATISTICS; UNITED STATES GOVERNMENT SUPPORTED, N.H.I.; URIC ACID (blood).

#### Stamler R

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhomberg P, Dyer A, Berkson DM, Reedus W, Wannamaker J *J Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

#### Stare FJ

ROLE OF SUGAR IN MODERN NUTRITION. Stare FJ *World Rev Nutr Diet* 22: 239-47, 1975 (Eng) [9] \*DL/76AUG862

ANIMAL; CORONARY DISEASE (etiology); DENTAL CARIES (etiology); DIET; DIETARY CARBOHYDRATES (adverse effects); ENERGY METABOLISM; HUMAN; INFANT; NUTRITION; OBESITY (etiology); REVIEW; SUCROSE (adverse effects); UNITED STATES.

#### Stathers GM

CONSTANT LOW-DOSE INSULIN INFUSION IN SEVERE DIABETES MELLITUS. Hannan TJ, Stathers GM *Med J Aust* 1: 11-3, 3-10 Jan 76 (Eng) DL/76AUG249

#### Staudinger HJ

[A GLUCOSE DEHYDROGENASE FOR THE DETERMINATION OF GLUCOSE CONCENTRATIONS IN BODY FLUIDS (AUTHORS TRANSL.)] Banauch D, Brummer W, Ebeling W, Metz H, Rindfrey H, Lang H, Leybold K, Rick W, Staudinger HJ *Z Klin Chem Klin Biochem* 13: 101-7, Mar 75 (Ger) \*DL/76AUG865

#### Stava RM Jr

ROLE OF MITOCHONDRIAL CALCIUM METABOLISM IN THE ALTERED CONTRACTILITY OF PRESSURE-HYPERTROPHIED RIGHT VENTRICULAR MYOCARDIUM. Sack DW, Cooper G 4th, Stava RM Jr, Coleman HM 3rd, Harrison CE Jr *Recent Adv Stud Cardiac Struct Metab* 5: 195-202, 1975 (Eng) \*DL/76AUG832

#### Stecher VJ

IN VIVO CHEMOTAXIS OF RAT LEUKOCYTES IN THE PRESENCE OF CIRCULATING CHYLOMICRONS. Perper RJ, Oronsky AL, Sanda M, Stecher VJ *Atherosclerosis* 22: 257-69, Sep-Oct 75 (Eng) \*DL/76AUG923

#### Steczek K

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS.

Gero L, Szalay F, Steczek K, Tamas G Jr *Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112

#### Steele BW

AN EXAMPLE OF LYOPHILIZED PROTEIN-BASED MATERIALS NOT SIMULATING PATIENT SERA. Steele BW, Koehler DF, Blaszkowski TP, Azar M *Clin Chem* 21: 1812-4, Nov 75 (Eng) \*DL/76AUG659

AUTOANALYSIS; BLOOD PROTEINS (analysis); BLOOD SUGAR; FREEZE DRYING; HUMAN; JAUNDICE (blood); LABORATORIES (standards); QUALITY CONTROL; SPECTROPHOTOMETRY, ULTRAVIOLET (methods); UNITED STATES GOVERNMENT SUPPORTED, NON-N.H.I.

#### Steer ML

ADENYL CYCLASE. Steer ML *Ann Surg* 182: 603-9, Nov 75 (Eng) [57] \*DL/76AUG899

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); ANIMAL; BINDING SITES; CHOLERA (enzymology); DIABETES INSIPIDUS (enzymology); ENZYME ACTIVATION; FLUORIDES (pharmacodynamics); GLYCOGENOSIS (enzymology); HORMONES (metabolism); HUMAN; METABOLIC DISEASES (enzymology); NUCLEOTIDES (physiology); PROSTAGLANDINS (physiology); PROTEIN KINASE (metabolism); PSEUDOHYPOPARATHYROIDISM (enzymology); RECEPTORS, HORMONE; REVIEW; STIMULATION, CHEMICAL.

#### Stefan O

[CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS] Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanescu I, Bena A, Stefan O *Rev Ig [Pneumofiziol]* 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843

#### Stefanescu I

[CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS] Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanescu I, Bena A, Stefan O *Rev Ig [Pneumofiziol]* 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843

#### Stefanin E

[CURRENT AVERAGE VALUES OF SOME BLOOD PARAMETERS IN UNTREATED PULMONARY TUBERCULOSIS IN ADULTS] Golli V, Popescu I, Constantinescu C, Stefanin E, Stefanescu I, Bena A, Stefan O *Rev Ig [Pneumofiziol]* 24: 97-102, Apr-Jun 75 (Rum) \*DL/76AUG843

#### Steffes MW

ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES. Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220

#### Stein EA

LOWERING OF PLASMA CHOLESTEROL LEVELS IN FREE-LIVING ADOLESCENT MALES: USE OF NATURAL AND SYNTHETIC POLYUNSATURATED FOODS TO PROVIDE BALANCED FAT DIETS. Stein EA, Mendelsohn D, Fleming M, Barnard GD, Carter KJ, du Toit PS, Hansen JD, Bersohn I *Am J Clin Nutr* 28: 1204-16, Nov 75 (Eng) \*DL/76AUG879

ADOLESCENCE; CHILD; CHOLESTEROL (blood); DAIRY PRODUCTS (analysis); DIET (standards); DIETARY CARBOHYDRATES (administration & dosage); DIETARY FATS

(administration & dosage, analysis); DIETARY PROTEINS (administration & dosage); FATS, UNSATURATED (administration & dosage, analysis); FATTY ACIDS (analysis, blood); FATTY ACIDS, UNSATURATED (analysis); FOOD ANALYSIS; HUMAN; MALE; MEAT (analysis); TRIGLYCERIDES (blood).

#### Stein JM

THE EFFECT OF ADRENALINE AND OF ALPHA- AND BETA-ADRENERGIC BLOCKING AGENTS ON ATP CONCENTRATION AND ON INCORPORATION OF <sup>32</sup>P INTO ATP IN RAT FAT CELLS. Stein JM *Biochem Pharmacol* 24: 1659-62, 15 Sep 75 (Eng) \*DL/76AUG916

ADENOSINE TRIPHOSPHATE (metabolism, biosynthesis); ADIPOSE TISSUE (metabolism, drug effects); ADRENERGIC ALPHA RECEPTOR BLOCKADERS (pharmacodynamics); ADRENERGIC BETA RECEPTOR BLOCKADERS (pharmacodynamics); ANIMAL; EPINEPHRINE (pharmacodynamics); HEXOKINASE (pharmacodynamics); IN VITRO; LUCIFERASE (pharmacodynamics); MALE; OXYGEN CONSUMPTION (drug effects); PHENOXYBENZAMINE (pharmacodynamics); PHOSPHORUS RADIOISOTOPES; PHOSPHORUS (metabolism); PROPRANOLOL (pharmacodynamics); RATS; TIME FACTORS.

#### Steinbach M

CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinbach M, Constantinescu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicadite MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

AGE FACTORS; BLOOD PRESSURE; BODY WEIGHT; CHOLESTEROL (blood); CORONARY DISEASE (etiology, occurrence); DIABETES MELLITUS (complications); HUMAN; HYPERTENSION (complications); MALE; MIDDLE AGE; OBESITY (complications); RISK; ROMANIA; SEX FACTORS; SMOKING (complications); URBAN POPULATION.

#### Steiner G

INHIBITION OF LIPOPROTEIN LIPASE BY UREMIC PLASMA, A POSSIBLE CAUSE OF HYPERTRIGLYCERIDEMIA. Murase T, Catran DC, Rubenstein B, Steiner G *Metabolism* 24: 1279-86, Nov 75 (Eng) \*DL/76AUG745

#### Steinhardt M

[GLUCOSE CONCENTRATION IN BLOOD DURING EXERTION. 5. USE OF THE TOTAL DISTRIBUTION OF BLOOD GLUCOSE VALUES DURING PHYSICAL EXERCISE OR THE ESTIMATION OF RESPONSE TO EXERCISE IN VARIOUS BREEDS OF SWINE] Bunker U, Steinhardt M, Riehm G, Gohler H, Bunker B, Lyhs L *Arch Exp Veterinaermed* 29: 83-97, 1975 (Ger) \*DL/76AUG617

[EVALUATION OF THE ABILITY TO REGULATE BLOOD VOLUME UNDER STANDARDIZED MOTORIC STRESS] Bunker U, Steinhardt M, Lyhs L *Arch Exp Veterinaermed* 29: 265-79, 1975 (Ger) \*DL/76AUG618

[EFFECT OF ANEMIA ON VARIOUS REACTIONS OF THE DOMESTIC SWINE DUE TO PHYSICAL EXERCISE. 3. CHANGES IN PLASMA GLUCOSE AND LACTIC ACID CONCENTRATIONS] Bunker U, Steinhardt M, Riehm G, Lyhs L *Arch Exp Veterinaermed* 29: 581-93, 1975 (Ger) \*DL/76AUG905

[EVALUATION OF BLOOD GLUCOSE CONCENTRATION DURING EXERCISE. 6. EF-

## Diabetes Literature—Author Index

### Stekar J

EFFECT OF ANEMIA ON THE GLUCOSE REGULATION CAPACITY OF DOMESTIC SWINE IN STANDARDIZED RUNNING EXERCISE [Bunger U, Steinhart M, Riehm G, Bunger B, Lyhs L. *Arch Exp Veterinarmed* 29: 631-40, 1975 (Ger) \*DL/76AUG906

### Stekar J

TRANSPLANTABLE, STH-PRODUCING AND DIABETOGENIC PITUITARY ADENOMA OF THE BD IX-STRAIN OF RATS. Stekar J. *Z Krebsforsch* 85: 277-86, 19 Mar 76 (Eng) DL/76AUG390

ADENOMA, CHROMOPHOBE (secretion); ADRENAL GLANDS (pathology); ANIMAL EXPERIMENTS (analysis); CORTICOTROPIN (secretion); DIABETES MELLITUS (etiology); FEMALE; GIGANTISM; HYPERPLASIA; ISLANDS OF LANGERHANS (pathology); MALE; NEOPLASM TRANSPLANTATION; NEOPLASMS, EXPERIMENTAL; NEOPLASTIC ENDOCRINE-LIKE SYNDROMES (pathology); PITUITARY NEOPLASMS (secretion); RATS; RATS, INBRED STRAINS; SOMATOTROPIN (secretion); SPLENOHEGAL Y; TRANSPLANTATION, HOMOLOGOUS (transplantation).

### Stelling CB

GLUCAGON AND BARIUM ENEMA EXAMINATIONS: A CONTROLLED CLINICAL TRIAL. Harned RK, Stelling CB, Williams S, Wolf GL. *Am J Roentgenol* 126: 981-4, May 76 (Eng) DL/76AUG442

### Stephan T

OBESITY. Danowski TS, Nolan S, Stephan T. *World Rev Nutr Diet* 22: 270-9, 1975 (Eng) [18] \*DL/76AUG864

### Stephenson TP

CHANGES IN MUSCLE MITOCHONDRIAL LIPID COMPOSITION RESULTING FROM TRAINING AND EXHAUSTIVE EXERCISE. Dohm GL, Barakat H, Stephenson TP, Pennington SN, Tapscott EB. *Life Sci* 17: 1075-80, 10 Oct 75 (Eng) \*DL/76AUG574

### Stepien-Dobrowolska M

[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES] Milewicz A, Stepien-Dobrowolska M, Szklarz F, Glebowski H, Gladysz A, Czarnecka J. *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

### Sterky G

CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Persson B, Demissie H, Sterky G. *Influsionstherapie* 2 suppl 3: 34-6, 1975 (Eng) \*DL/76AUG703

### Stevens J

DIFFERENCE IN THE NUMBER OF INSULIN BINDING SITES BETWEEN CORTISOL-SENSITIVE AND CORTISOL-RESISTANT LYMPHOMA P1798 CELLS. Roldan A, Stevens J, Hollander VP. *Proc Soc Exp Biol Med* 151: 711-5, Apr 76 (Eng) DL/76AUG321

### Steyn DG

STANDARD SERUM CHEMICAL AND HAEMATOLOGICAL VALUES IN THE CHACMA BABOON (PAPIO URSINUS). Steyn DG, Hamilton-Bruce RJ, Zuurmond TJ, Pharo R. *J S Afr Vet Assoc* 46: 191-6, Jun 75 (Eng) \*DL/76AUG555

ADRENAL CORTISOL HORMONES (blood); ANIMAL EXPERIMENTS; BABOONS (blood); BLOOD SUGAR (analysis); CHOLESTEROL (blood); COMPARATIVE STUDY; ERYTHROCYTE COUNT; FEMALE; LEUKOCYTE COUNT; MALE; SEX FACTORS.

### Stock W

EFFECTS OF ARGININE HOMOLOGOUS AND OTHER GUANIDINO COMPOUNDS ON THE ATP LEVEL AND GLUCOSE OXIDATION IN ISOLATED FAT CELLS. Schwegler F, Stock W. *Hoppe Seylers Z Physiol Chem* 356: 839-44, Jun 75 (Eng) \*DL/76AUG693

### Stockwell RA

FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO. Maroudas A, Stockwell RA, Nachemson A, Urban JJ. *Anat* 120: 113-30, Sep 75 (Eng) \*DL/76AUG706

### Stoffel W

STUDIES ON THE ASYMMETRIC ARRANGEMENT OF MEMBRANE-LIPID-ENVELOPED VIRIONS AS A MODEL SYSTEM. Stoffel W, Anderson R, Sahl J. *Hoppe Seylers Z Physiol Chem* 356: 1123-9, Jul 75 (Eng) \*DL/76AUG518

CELL LINE; CERAMIDES (metabolism); CHROMATOGRAPHY, THIN LAYER; GANGLIOSIDES (metabolism); HAMSTERS; ISOTOPE LABELING; LACTOSE (metabolism); LINOLEIC ACIDS (metabolism); LIPIDS (metabolism); MEMBRANES (metabolism); NEURAMINIC ACIDS (metabolism); NEURAMINIDASE; PALMITIC ACIDS (metabolism); PRONASE; VESICULAR STOMATITIS VIRUS (metabolism, ultrastructure).

### Stoilov L

[INSULIN HYPOGLYCEMIA, A FUNCTIONAL TEST OF THE STATE OF THE HYPOTHALAMO-HYPOPHYSIO-ADRENAL SYSTEM IN OBESITY] Dobrev D, Pavlov D, Stoilov L. *Vutr Boles* 14: 73-8, 1975 (Bul) DL/76AUG370

### Stork A

[GAMMA GLUTAMYL-TRANSEPTIDASE ACTIVITY AND FREE FATTY ACID LEVEL IN DIABETES (AUTHORS TRANSL)] Stork A, Skachova J, Kozakova B, Fabian E, Fabianova J, Cermak K. *Cas Lek Cesk* 115: 384-7, 2 Apr 76 (Cze) DL/76AUG28

ADULT; AGED; DIABETES MELLITUS (blood, enzymology); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUTAMYL TRANSEPTIDASE (blood); HUMAN; MALE; MIDDLE AGE.

### Storm DR

THE HLB DEPENDENCY FOR DETERGENT SOLUBILIZATION OF HORMONALLY SENSITIVE ADENYLATE CYCLASE. Storm DR, Field SO, Ryan J. *J Supramol Struct* 4: 221-31, 1976 (Eng) DL/76AUG221

ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS (analysis); BINDING SITES; CELL MEMBRANE (enzymology); DETERGENTS (pharmacodynamics); ENZYME ACTIVATION (drug effects); EPINEPHRINE (metabolism, pharmacodynamics); FEMALE; FLUORIDES (pharmacodynamics); GLUCAGON (pharmacodynamics); LIVER (enzymology); MALE; MOLECULAR WEIGHT; RATS; SOLUBILITY; STRUCTURE-ACTIVITY RELATIONSHIP; TRITONS (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, NON-N.L.H.).

### Stotzner H

[SIGNIFICANCE OF FATTY LIVER AS AN EARLY SYMPTOM OF DIABETES MELLITUS AND HYPERLIPIDOPROTEINEMIAS] Hanefeld M, Haller H, Renger F, Stotzner H. *Dtsch Z Verdau Stoffwechselk* 34: 299-300, 1974 (Ger) DL/76AUG65

### Stout RW

TRIGLYCERIDE METABOLISM IN ACUTE STARVATION: THE ROLE OF SECRETIN AND GLUCAGON. Stout RW, Henry RW, Buchanan KD. *Eur J Clin Invest* 6: 179-85, 31 Mar 76 (Eng) DL/76AUG87

ADULT; CHOLESTEROL (blood); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GASTRIN (blood); GLUCAGON (blood); GLYCERIN (blood); HUMAN; INSULIN (blood); MALE; SECRETIN (blood); STARVATION (blood); TIME FACTORS; TRIGLYCERIDES (blood).

### Stovin V

SOME EFFECTS OF AN ORAL CONTRACEPTIVE ON DIETARY CARBOHYDRATE-LIPID INTERRELATIONS IN THE BABOON. Stovin V, Macdonald I. *Proc Nutr Soc* 34: 55a-56a, Sep 75 (Eng) \*DL/76AUG768

ANIMAL; BABOONS (metabolism); CHOLESTEROL (blood); CONTRACEPTIVES, ORAL (pharmacodynamics); CONTRACEPTIVES, ORAL, SYNTHETIC (pharmacodynamics); DIETARY CARBOHYDRATES; FEMALE; GLUCOSE (pharmacodynamics); MALE; MONKEYS; STRUCTURE-ACTIVITY RELATIONSHIP; SUCROSE (pharmacodynamics); TRIGLYCERIDES (blood).

### Stowasserova N

EFFECT OF ELECTROCONVULSIVE THERAPY WITHOUT ANTICONVULSIVE PREMEDICATION ON SERUM GROWTH HORMONE IN MAN. Vigas M, Stowasserova N, Nemeth S, Jurcovicova J. *Horm Res* 6: 65-70, 1975 (Eng) \*DL/76AUG691

### Stowers JM

ENDOCRINE AND METABOLIC DISEASES. MODERN APPROACH TO DIABETES MELLITUS-II. Stowers JM. *Br Med J* 1: 573-4, 6 Mar 76 (Eng) DL/76AUG14

AGE FACTORS; DIABETES MELLITUS (drug therapy); HUMAN; INSULIN (administration & dosage, therapeutic use); TIME FACTORS.

HAZARDS OF MONOCOMPONENT INSULINS. Logie AW, Stowers JM. *Br Med J* 1: 879-80, 10 Apr 76 (Eng) DL/76AUG20

### Stratmann FW

COMPARISON OF DAILY BLOOD SUGAR PROFILES IN DIABETICS UNDER TREATMENT WITH DIFFERENT ORAL ANTIDIABETIC DRUGS. PP. 299-303. Stratmann FW. In: Scheving LE, et al., ed. *Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG187

ADMINISTRATION, ORAL; BIGUANIDES (therapeutic use); BLOOD SUGAR (metabolism); CIRCADIAN RHYTHM; COMPARATIVE STUDY; DIABETES MELLITUS (blood, diet therapy, drug therapy); FEMALE; GLIBENCLAMIDE (therapeutic use); HUMAN; HYPOLYCEMIC AGENTS (administration & dosage, therapeutic use); MALE; MONOGRAPH (morality); TOLBUTAMIDE (therapeutic use).

### Stratmann IE

TWO DISTRICT TYPES OF MICROFILAMENTS IN THE CYTOPLASM OF HUMAN ADENOHYPOPHYSAL CELLS. PP. 287-98. Horvath E, Kovacs K, Stratmann IE, Ezrin C. In: Hess M, ed. *Electron microscopic concepts of secretion*. New York, Wiley, 1975. WP 101 E38 1973. (Eng) DL/76AUG165

### Straus AK

THE DIABETIC KIDNEY. Merkel FK, Straus AK, Armbruster KF, Lewis EJ. *Compr Ther* 1: 40-8, May 75 (Eng) DL/76AUG56

Street AE

BIOCHEMICAL STUDIES ON THE AQUEOUS HUMOR OF RHESUS MONKEYS (MACACA MULATTA). Heywood R, Street AE *J Med Primatol* 4: 296-8, 1975 (Eng) \*DL/76AUG727

Stroeva LM

[EFFECT OF VEGETABLE POLYPHENOLS ON THE LEVEL OF GLYCOGEN IN THE TISSUES AND GLUCOSE IN THE BLOOD OF STARVING RABBITS] Shamrai EF, Stroeva LM, Shuliakivska To *Ukr Biokhim Zh* 47: 107-9, Jan-Feb 75 (Ukr) \*DL/76AUG589

Stroud RM

FREE AND TOTAL INSULIN LEVELS IN A PATIENT WITH INSULIN-RESISTANT DIABETES MELLITUS AND CHRONIC LYMPHATIC LEUKEMIA: EFFECT OF PREDNISONE THERAPY. Kansal PC, Stroud RM, Boshell BR *Metabolism* 25: 445-53, Apr 76 (Eng) DL/76AUG244

Strzelecki T

EFFECTS OF MALEATE ON RENAL CARBOHYDRATE METABOLISM IN VIVO AND IN VITRO. Rogulski J, Strzelecki T, Pacanis A, Kaminska E, Angielski S *Curr Probl Clin Biochem* 4: 106-10, 1975 (Eng) \*DL/76AUG483

Stubbs WA

LETTER: AGE-DEPENDENT SENSITIVITY TO SALICYLATE. Stubbs WA, Alberti KG, Woods HF, Teddy PJ *Lancet* 2: 1216, 13 Dec 75 (Eng) \*DL/76AUG571

ADULT: AGE FACTORS; ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CHILD; HUMAN; LACTATES (blood); MIDDLE AGE; PYRUVATES (blood); RATS; SALICYLATES (poisoning).

Studer P

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING  $\delta$ -CELLS IN DIABETES. Orci L, Baetens D, Rufenner C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

Stumpf PK

PHYTOENZYME SYSTEMS AS MODELS FOR AN UNDERSTANDING OF GENERAL METABOLIC PATHWAYS. Stumpf PK *J Exp Zool* 194: 189-96, Oct 75 (Eng) [14] \*DL/76AUG546

ACETYL COENZYME A (metabolism); ALANINE (biosynthesis); ANIMAL EXPERIMENTS; BIOTIN; CARBOXY-LYASES (metabolism); CARRIER PROTEINS (metabolism); CHLOROPLASTS (enzymology); COENZYME A (metabolism); COMPARATIVE STUDY; FATTY ACID DESATURASES (metabolism); FATTY ACIDS (biosynthesis); FATTY ACIDS, NONESTERIFIED (metabolism); HUMAN; LINOLENIC ACIDS (biosynthesis); LIPIDS (biosynthesis); NADP (metabolism); OLEIC ACIDS (biosynthesis); OXIDATION-REDUCTION; PHOTOSYNTHESIS; PLANTS (enzymology); PROPIONATES; REFUSIS SYNDROME (enzymology); REVIEW; STEARIC ACIDS (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Suciu A

CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE

AGED MEN IN URBAN ENVIRONMENT.

Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

Suciu-Foca N

THE HLA SYSTEM IN THE FAMILIES OF PATIENTS WITH JUVENILE DIABETES MELLITUS. Rubinstein P, Suciu-Foca N, Nicholson JF, Fotino M, Molinaro A, Harisiadis L, Hardy MA, Reemtsma K, Allen FH Jr *J Exp Med* 143: 1277-82, 1 May 76 (Eng) DL/76AUG192

Sugiura M

APPLICATION OF LIPOPROTEIN LIPASE FOR THE ASSAY OF SERUM TRIGLYCERIDE. Sugiura M, Isobe M, Hirata F, Inagawa T *Chem Pharm Bull (Tokyo)* 23: 1417-20, Jul 75 (Eng) \*DL/76AUG654

COMPARATIVE STUDY; FATTY ACIDS, NONESTERIFIED (analysis); HUMAN; LIPOPROTEIN LIPASE (metabolism); PSEUDOMONAS (enzymology); TRIGLYCERIDES (blood).

Sulakhe PV

ADENYL CYCLASE ACTIVITY IN THE HYPOTHALAMIC HEART. McNamara DB, Sulakhe PV, Singh JN, Dhalla NS *Recent Adv Stud Cardiac Struct Metab* 3: 303-9, 1973 (Eng) \*DL/76AUG797

Sullivan G

SERUM GROWTH HORMONE RESPONSE TO BROMOCRIPTINE DURING A GLUCOSE TOLERANCE TEST IN ACROMEGALY. Casar J, Mashiter K, Sullivan G, Joplin GF *Acta Endocrinol (Kbh)* 82: 39-46, May 76 (Eng) DL/76AUG408

Sutherland DE

ISLET TRANSPLANTATION USING NEONATAL RAT PANCREATA: QUANTITATIVE STUDIES. Matas AJ, Sutherland DE, Steffes MW, Najarian JS *J Surg Res* 20: 143-7, Mar 76 (Eng) DL/76AUG220

Sutter BC

[IMMUNO-REACTIVE INSULIN-LIKE SUBSTANCES IN THE RAT] Felix JM, Sutter-Dub MT, Legrele C, Billaudel B, Sutter BC, Jacquot R *Pathol Biol (Paris)* 23: 841-8, Dec 75 (Fre) DL/76AUG283

Sutter-Dub MT

[IMMUNO-REACTIVE INSULIN-LIKE SUBSTANCES IN THE RAT] Felix JM, Sutter-Dub MT, Legrele C, Billaudel B, Sutter BC, Jacquot R *Pathol Biol (Paris)* 23: 841-8, Dec 75 (Fre) DL/76AUG283

Suva J

[CHANGES IN THE LEVELS OF NONESTERIFIED RAT SERUM FATTY ACIDS UNDER PHYSIOLOGIC AND STRESS CONDITIONS (AT THORS TRANSL)] Sava J, Stajner A *Cas Lek Cerk* 114: 1104-7, 5 Sep 75 (Cze) \*DL/76AUG653

ANIMAL: ENGLISH ABSTRACT; EXERTION; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; MALE; RATS; STRESS (blood).

Suzuki K

RADIORECEPTOR ASSAY FOR INSULIN. Suzuki K, Ohswa N, Kosaka K *J Clin Endocrinol Metab* 42: 399-402, Feb 76 (Eng) DL/76AUG144

GLUCOSE TOLERANCE TEST; INSULIN (blood, physiology); KIDNEY (ultrastructure); MEMBRANES (physiology); RADIOLOGIC ASSAY (methods); RECEPTORS, HORMONE.

Svensson H

BIOGENESIS OF MICROSOMAL MEMBRANE GLYCOPROTEINS IN RAT LIVER. II. PURIFICATION OF SOLUBLE GLYCOPROTEINS AND THEIR INCORPORATION INTO MICROSOMAL MEMBRANES. Autuori F, Svensson H, Dallner G *J Cell Biol* 67: 700-14, Dec 75 (Eng) \*DL/76AUG536

Svoboda Z

[INSULIN SECRETION IN PATIENTS FOLLOWING JURASIS SURGERY FOR PANCREATIC PSEUDOCYST] Svoboda Z, Prokes J, Dobesova I, Vnitř Lek 22: 336-40, Apr 76 (Cze) DL/76AUG362

AGED; ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (secretion); MALE; MIDDLE AGE; PANCREAS (physiopathology); PANCREATIC CYST (surgery); POSTOPERATIVE COMPLICATIONS (physiopathology).

[INSULINEMIA IN RENAL GLYCOSURIA]

Polackova H, Kmoch J, Prokes J, Svoboda Z, Vsteteckova A *Vnitř Lek* 22: 341-4, Apr 76 (Cze) DL/76AUG363

Swan HJ

METABOLIC AND CARDIOVASCULAR ABNORMALITIES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE. Vyden JK, Thorner J, Nagasawa K, Takano T, Groeth-Dittrich MF, Perlow R, Swan HJ *Am Heart J* 90: 703-8, Dec 75 (Eng) \*DL/76AUG604

Sweetman BJ

INCREASED ARACHIDONATE IN LIPIDS AFTER ADMINISTRATION TO MAN: EFFECTS ON PROSTAGLANDIN BIOSYNTHESIS. Seyberth HW, Oelz O, Kennedy T, Sweetman BJ, Dannon A, Frolich JC, Heimberg M, Oates JA *Clin Pharmacol Ther* 18: 521-9, Nov 75 (Eng) \*DL/76AUG664

Syme SL

EPIDEMIOLOGIC STUDIES OF CORONARY HEART DISEASE AND STROKE IN JAPANESE MEN LIVING IN JAPAN, HAWAII AND CALIFORNIA: DISTRIBUTION OF BIOCHEMICAL RISK FACTORS. Nishimura MZ, Hamilton HB, Kagan A, Grier T, Sacks T, Syme SL *Am J Epidemiol* 102: 491-501, Dec 75 (Eng) \*DL/76AUG607

Syvalahti E

EFFECT OF PSYCHIC STRESS OF EXAMINATION ON SERUM GROWTH HORMONE, SERUM INSULIN, AND PLASMA RENIN ACTIVITY. Syvalahti E, Lammintausta R, Pekkarinen A *Acta Pharmacol Toxicol (Kbh)* 38: 344-52, Apr 76 (Eng) DL/76AUG418

BLOOD SUGAR (analysis); CLINICAL RESEARCH; FEMALE; HEART RATE; HUMAN; INSULIN (blood); MALE; RENIN (blood); SEX FACTORS; SOMATOTROPIN (blood); STRESS, PSYCHOLOGICAL.

GROWTH HORMONE AND CORTISOL SECRETION AFTER ORAL AND INTRAVENOUS ADMINISTRATION OF METHYLDOPA. Syvalahti E, Seppala PO, Isalo E *Acta Pharmacol Toxicol (Kbh)* 37: 257-64, Sep 75 (Eng) \*DL/76AUG874

ADMINISTRATION, ORAL; CLINICAL RESEARCH; DEPRESSION, CHEMICAL; FEMALE; HUMAN; HYDROCORTISONE (blood); HYPERTENSION (drug therapy); INJECTIONS, INTRAVENOUS; MALE; METHYLDOPA (pharmacodynamics, administration & dosage, therapeutic use); MIDDLE AGE; SOMATOTROPIN (blood).

Syvyi Nlu

[DIAGNOSIS AND TREATMENT OF INSULINOMA] Borovyí EM, Martyniuk IuM,

## Diabetes Literature—Author Index

### Szabo G

Nesterenko LN, Syvii Nlu *Vrach Delo* 90-1, Mar 74 (Rus) \*DL/76AUG861

### Szabo G

THE KINETICS OF CARRIER-MEDIATED ION PERMEATION IN LIPID BILAYERS AND ITS THEORETICAL INTERPRETATION. Laprade R, Ciani S, Eisenman G, Szabo G *Membranes* 3: 127-214, 1975 (Eng) [24] \*DL/76AUG575

### Szabo I

[CHANGES IN GLUCOSE-6-PHOSPHATE DEHYDROGENASE ACTIVITY IN THE HUMAN PLACENTA DURING PREGNANCY] Csaba I, Nagy P, Szabo I, Bucsi G, Varga K *Zentralbl Gynaekol* 97: 714-7, 1975 (Ger) \*DL/76AUG866

### Szalay F

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G *Jr Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112

### Szamborski J

ULTRASTRUCTURE OF THE CAPILLARIES OF THE REPRODUCTIVE SYSTEM IN FEMALE RABBITS WITH ALLOXAN DIABETES. Liebhart M, Szamborski J *Pol Med Sci Hist Bull* 15: 133-7, Mar-Apr 75 (Eng) DL/76AUG304

### Szklarz E

[MAGNESIUM LEVELS IN SERUM, WHOLE BLOOD AND ERYTHROCYTES IN JUVENILE DIABETES] Milewicz A, Stepien-Dobrowolska M, Szklarz E, Glibowska H, Gladysz A, Czarnowska J *Wiad Lek* 29: 599-602, 1 Apr 76 (Pol) DL/76AUG373

### Szolnoki J

SUGAR METABOLISM IN OBESE CHILDREN. Barta L, Esztergalyos J, Szolnoki J *Acta Paediatr Acad Sci Hung* 16: 209-13, 1975 (Eng) DL/76AUG414

### Szostak WB

[ROLE OF NUTRITION IN THE PREVENTION AND TREATMENT OF ATHEROSCLEROSIS] Szostak WB *Wiad Lek* 29: 709-13, 15 Apr 76 (Pol) [0] DL/76AUG375

ARTERIOSCLEROSIS (diet therapy, prevention & control); CAPILLARY PERMEABILITY; DIET, ATHEROGENIC; DIETARY CARBOHYDRATES (metabolism); DIETARY FATS (metabolism); EXERTION; HUMAN; HYPERLIPIDEMIA (complications); HYPERTENSION (complications); INSULIN (metabolism); LIPOPROTEINS (biosynthesis); OBESITY (metabolism); REVIEW.

### Szotowa W

[GLYCEMIA AND THE LEVELS OF FREE FATTY ACIDS IN SMALL-FOR-DATE BORN INFANTS AFTER MONOSACCHARIDE LOAD. COMMUNICATION I (AUTHORS TRANSL)] Szotowa W, Kantoch Z, Rodkiewicz B, Rola-Janicki A *Probl Med Wieku Rozwoj* 5: 75-81, 1975 (Pol) DL/76AUG316

AGE FACTORS; BIRTH WEIGHT; BLOOD SUGAR (analysis); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INFANT; MONOSACCHARIDES (diagnostic use); PREGNANCY.

### Tausch HW Jr

CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL. Frantz ID 3d, Medina G, Tausch HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng) \*DL/76AUG722

### Taggi F

RESULTS OF A COMPARATIVE STUDY ON INSULIN RADIOIMMUNOASSAY IN 36 ITALIAN LABORATORIES. Costantini A, Lostia O, Malvano R, Rollieri E, Taggi F, Zucchelli GC *Pathol Biol (Paris)* 23: 873-83, Dec 75 (Eng) DL/76AUG285

### Takano T

METABOLIC AND CARDIOVASCULAR ABNORMALITIES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE. Vyden JK, Thorne J, Nagasawa K, Takano T, Groseth-Dittrich MF, Perlow R, Swan HJ *Am Heart J* 90: 703-8, Dec 75 (Eng) \*DL/76AUG604

### Takeshita M

EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN. Ueda K, Omac T, Hirota Y, Takeshita M, Hiyoshi Y *J Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

### Taketomi S

METABOLIC STUDIES ON THE DEVELOPMENT OF ETHANOL-INDUCED FATTY LIVER IN KK-A<sup>y</sup> MICE. Arakawa M, Taketomi S, Furuno K, Matsuo T, Iwatsuka H *J Nutr* 105: 1500-8, Dec 75 (Eng) \*DL/76AUG549

### Takeuchi I

EFFECT OF AGING ON LIPID METABOLISM. Goto Y, Nakamura H, Hata Y, Asano E, Takeuchi I *Keio J Med* 24: 49-57, Apr 75 (Eng) \*DL/76AUG735

### Taljedal IB

THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl L, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254

### Tallant EA

BREVIBACTERIUM LIQUEFACIENS ADENYLATE CYCLASE AND ITS IN VIVO STIMULATION BY PYRUVATE. Lynch TJ, Tallant EA, Cheung WY *J Bacteriol* 124: 1106-12, Dec 75 (Eng) \*DL/76AUG524

### Talos V

[COURSE OF BLOOD SUGAR AND EOSINOPHIL COUNT DURING PREGNANCY IN CAT-TLE] Talos V, Roth G, Pop P, Trif A *Dtsch Tierarztl Wochenschr* 82: 286-8, 5 Jul 75 (Ger) \*DL/76AUG495

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CATTLE (blood); ENGLISH ABSTRACT; EOSINOPHILS; FEMALE; LEUKOCYTE COUNT (veterinary); PREGNANCY; PREGNANCY, ANIMAL.

### Talwar GP

EFFECT OF GROWTH HORMONE ON SURFACE CHARGE AND ELECTROPHORETIC MOBILITY OF THYMOCYTES FROM YOUNG AND AGED RATS. Hanjan SN, Talwar GP *Mol Cell Endocrinol* 3: 185-201, Sep 75 (Eng) \*DL/76AUG687

### Tamas G Jr

EFFECT OF ACUTE CHANGES IN SERUM CALCIUM ON GLUCOSE TOLERANCE, BLOOD GLUCOSE, IRI AND CORTISOL LEVELS. Gero L, Szalay F, Steczek K, Tamas G Jr *Horm Metab Res* 8: 151-2, Mar 76 (Eng) DL/76AUG112

### Tamburrano S

GLUCAGON, INSULIN AND GROWTH HORMONE RESPONSE IN OBESE WOMEN. Fallucca F, Menzinger G, Gambardella S, Tamburrano S, Andeani D *Acta Diabetol Lat* 12: 239-43, May-Aug 75 (Eng) DL/76AUG406

### Taminato T

XYLITOL: STIMULATION OF INSULIN AND INHIBITION OF GLUCAGON RESPONSES TO ARGININE IN MAN. Seino Y, Taminato T, Inoue Y, Goto Y, Ikeda M *J Clin Endocrinol Metab* 42: 736-43, Apr 76 (Eng) DL/76AUG146

### Tan MH

AMINO ACID LEVELS ACROSS NORMAL FOREARM MUSCLE AND SPLANCHNIC BED AFTER A PROTEIN MEAL. Aoki TT, Brennan MF, Muller WA, Soeldner JS, Alpert JS, Saltz SB, Kaufmann RL, Tan MH, Cahill GF Jr *Am J Clin Nutr* 29: 340-50, Apr 76 (Eng) DL/76AUG425

### Tanaka Y

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XV. COMPARATIVE STUDIES ON THE EFFECTS OF VARIOUS ENERGY POISONS ON THE OXIDATIVE AND PHOSPHORYLATING ACTIVITIES AND ENERGY COUPLING REACTIONS FOR THE ACTIVE TRANSPORT SYSTEMS FOR AMINO ACIDS IN E. COLI. Anraku Y, Kin E, Tanaka Y *J Biochem (Tokyo)* 78: 165-79, Jul 75 (Eng) \*DL/76AUG526

### Tanser PH

ADAPTATION OF THE CORONARY CIRCULATION TO PRIMARY MYOCARDIAL DISEASE. Klassen GA, Tanser PH, Marpole D, Agarwal JB *Recent Adv Stud Cardiac Struct Metab* 3: 497-506, 1973 (Eng) \*DL/76AUG802

### Tapscott EB

CHANGES IN MUSCLE MITOCHONDRIAL LIPID COMPOSITION RESULTING FROM TRAINING AND EXHAUSTIVE EXERCISE. Dohm GL, Barakat H, Stephenson TP, Pennington SN, Tapscott EB *Life Sci* 17: 1075-80, 10 Oct 75 (Eng) \*DL/76AUG574

### Tariq M

SERUM LIPID LEVELS AND THEIR RELATIONSHIP WITH ISCHEMIC HEART DISEASE IN PIGS. Arora RB, Tayal G, Tariq M *Recent Adv Stud Cardiac Struct Metab* 3: 795-803, 1973 (Eng) \*DL/76AUG814

### Tarjan R

[STUDY OF THE METABOLIC EFFECT OF MISCLERON (CLOFIBRATE) IN ANIMAL EXPERIMENTS] Kramer M, Bedo M, Blaskovits A, Gefferth G, Tarjan R *Orv Hetil* 116: 2774-8, 23 Nov 75 (Hun) \*DL/76AUG579

### Tarmann H

[A FURTHER CASE OF MALIGNANT HYPERTENSIVE AND ITS TREATMENT WITH LIDOCAINE, METHYLPREDNISOLONE AND VERAPAMIL (IPROVERATRIL) (AUTHORS TRANSL)] Csongrady A, Bake I, Pfander C, Tarmann H, Schneider M, Buttazzoni E *Anaesthesist* 25: 80-1, Feb 76 (Ger) DL/76AUG446

### Tarshis MA

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. I. ISOLATION AND GENERAL CHARACTERISTICS. Fedotov NS, Panchenko LF, Logachev AP, Bekkouzhin AG, Tarshis MA *Folia Microbiol (Praha)* 20: 470-9, 1975 (Eng) \*DL/76AUG512

TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. II. KINETIC CHARACTERISTICS AND SPECIFICITY OF GLUCOSE



- TRANSPORT SYSTEM.** Panchenko LF, Fedotov NS, Tarshis MA *Folia Microbiol (Praha)* 20: 480-7, 1975 (Eng) \*DL/76AUG513
- TRANSPORT PROPERTIES OF MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII. III. EVIDENCE OF ACTIVE NATURE OF GLUCOSE TRANSPORT.** Fedotov NS, Panchenko LF, Tarshis MA *Folia Microbiol (Praha)* 20: 488-95, 1975 (Eng) \*DL/76AUG514
- Tayal G**  
SERUM LIPID LEVELS AND THEIR RELATIONSHIP WITH ISCHEMIC HEART DISEASE IN PIGS. Arora RB, Tayal G, Tariq M *Recent Adv Stud Cardiac Struct Metab* 3: 795-803, 1973 (Eng) \*DL/76AUG814
- Teckentrup U**  
THE EFFECT OF PROPRANOLOL AND PHENTOLAMINE ON SERUM GASTRIN CONCENTRATION IN RESPONSE TO RESPIRATORY ACIDOSIS IN NORMAL MAN. Kaess H, Utz G, Teckentrup U, Hauck AM, Dörner M *Eur J Clin Invest* 5: 401-8, 12 Sep 75 (Eng) \*DL/76AUG678
- Teddy PJ**  
LETTER: AGE-DEPENDENT SENSITIVITY TO SALICYLATE. Stubbs WA, Alberti KG, Woods HF, Teddy PJ *Lancet* 2: 1216, 13 Dec 75 (Eng) \*DL/76AUG571
- Tekoff W**  
METABOLISM OF SULFATED GLYCOSAMINOGLYCANS IN CULTIVATED BOVINE ARTERIAL CELLS. II. QUANTITATIVE STUDIES ON THE UPTAKE OF 35SO<sub>4</sub>-LABELED PROTEOGLYCANS. Kresse H, Tekoff W, von Figura K, Buddecke E *Hoppe Seyler's Z Physiol Chem* 356: 943-52, Jun 75 (Eng) \*DL/76AUG696
- Teller DC**  
ACCESSIBLE AREA, PACKING VOLUMES AND INTERACTION SURFACES OF GLOBULAR PROTEINS. Teller DC *Nature* 260: 729-31, 22 Apr 76 (Eng) DL/76AUG273
- GLOBULINS; HEMOGLOBINS; INSULIN; MODELS, BIOLOGICAL; MOLECULAR WEIGHT; PROTEIN CONFORMATION; SURFACE PROPERTIES; TRYPSIN INHIBITORS; TRYPSIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. )
- Tellis V**  
CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETER-TO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gliedman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34
- Tempe JD**  
[HYPEROSMOLAR COMA] Mantz JM, Tempe JD, Jaeger A, Kurtz D *Munch Med Wochenschr* 118: 395-404, 26 Mar 76 (Ger) DL/76AUG258
- Ten Eick RE**  
ROLE OF NA<sup>+</sup>-K<sup>+</sup>-ACTIVATED ADENOSINE TRIPHOSPHATASE IN THE TRANSMEMBRANE TRANSPORT OF K<sup>+</sup> AND NA<sup>+</sup>: RELATIONSHIPS TO THE INOTROPIC AND ELECTROPHYSIOLOGIC EFFECTS OF DIGITALIS. Ten Eick RE, Bassett AL, Okita GT *Recent Adv Stud Cardiac Struct Metab* 4: 107-17, 1974 (Eng) \*DL/76AUG816
- ADENOSINE TRIPHOSPHATASE (metabolism, antagonists & inhibitors); ANIMAL; BIOLOGICAL TRANSPORT, ACTIVE; DIGITALIS GLYCOSIDES (pharmacodynamics); DOGS; IN VITRO; MEMBRANE POTENTIALS (drug effects); MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (enzymology, metabolism); POTASSIUM (metabolism, pharmacodynamics); SODIUM (metabolism); STROPHANTHIDIN (pharmacodynamics); TIME FACTORS.
- ten Hoor F**  
EFFECTS OF DIETARY ERUCIC AND LINOLEIC ACID ON MYOCARDIAL FUNCTION IN RATS. ten Hoor F, van de Graaf HM, Vergoosen AJ *Recent Adv Stud Cardiac Struct Metab* 3: 59-72, 1973 (Eng) \*DL/76AUG807
- ANIMAL; DIETARY FATS (adverse effects); ERUCIC ACIDS (pharmacodynamics); FATTY ACIDS, ESSENTIAL (deficiency); FATTY ACIDS, UNSATURATED (pharmacodynamics); HEART DISEASES (physiopathology); IN VITRO; LINOLEIC ACIDS (pharmacodynamics); LIPOIDOSIS (physiopathology); MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (pathology); RATS.
- Tepperman HM**  
EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED INTESTINAL EPITHELIAL CELLS OF THE CHICK. Raheja KL, Tepperman J, Tepperman HM *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548
- Tepperman J**  
EFFECTS OF HIGH CARBOHYDRATE, HIGH FAT, OR HIGH PROTEIN DIETS ON GLUCOSE OXIDATION BY ISOLATED INTESTINAL EPITHELIAL CELLS OF THE CHICK. Raheja KL, Tepperman J, Tepperman HM *J Nutr* 105: 1433-9, Nov 75 (Eng) \*DL/76AUG548
- Terry BE**  
SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN—A REVIEW. Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237
- Testa R**  
EXPERIMENTAL ATHEROSCLEROSIS IN THE RAT: BIOCHEMICAL EVALUATION. Testa R, Canestrini C, Oldani C *J Pharm Pharmacol* 27: 699-700, Sep 75 (Eng) \*DL/76AUG725
- ANIMAL; AORTA (metabolism); ARTERIOSCLEROSIS (metabolism); ATHEROSCLEROSIS (metabolism, chemically induced); CHOLESTEROL (pharmacodynamics); DISEASE MODELS, ANIMAL; ERGOCALCIFEROL (pharmacodynamics); FEMALE; LIPIDS (metabolism); MALE; OILS (pharmacodynamics); PHOSPHOLIPIDS (metabolism); RATS; TRIGLYCERIDES (metabolism).
- Testori GP**  
POTENTIATION OF HYPOGLYCEMIC RESPONSE TO INTRAVENOUS TOLBUTAMIDE BY CLOFIBRATE. Ferrari C, Frezzati S, Testori GP, Bertazzoni A *N Engl J Med* 294: 1184, 20 May 76 (Eng) DL/76AUG265
- Thakor P**  
NUTRITION AND THE ENDOCRINE GLANDS. Eisenstein AB, Singh SP, Thakor P *Prog Food Nutr Sci* 1: 531-58, 1975 (Eng) [135] DL/76AUG330
- Thees M**  
SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES. CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASOLATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 22 May 75 (Eng) \*DL/76AUG557
- Theodorini S**  
CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinhach M, Constantinescu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336
- Theriez M**  
[PLASMA CALCITONIN LEVELS AND METABOLIC EFFECTS OF PORCINE CALCITONIN IN NEWBORN LAMBS (AUTHORS TRANSL.)] Barlet JP, Michel MC, Theriez M, Savajol H, Garel JM *J Physiol (Paris)* 68: 519-29, 1974 (Fre) \*DL/76AUG554
- Thilenius OG**  
EFFECT OF DIBUTYRYL CYCLIC AMP ON MYOCARDIAL PERFORMANCE IN VIVO. Cutilletta AF, Lin CY, Thilenius OG, Arcilla RA *Recent Adv Stud Cardiac Struct Metab* 3: 251-9, 1973 (Eng) \*DL/76AUG794
- Thomas EW**  
THE PANCREATIC BETA-CELL RECOGNITION OF INSULIN SECRETAGOGUES. XII. INSULIN RELEASE IN RESPONSE TO HALOGENATED HEXOSAMINES. Hellman B, Idahl LA, Lernmark A, Taljedal IB, Thomas EW *Mol Pharmacol* 12: 208-16, Mar 76 (Eng) DL/76AUG254
- Thomas JA**  
[A BONE MARROW FACTOR CAUSING HYPERGLYCEMIA AND GLYCOSURIA: RELEASED GLUCOSE COMES FROM GENERAL GLYCOGENOLYSIS, ESPECIALLY IN MUSCLE] Thomas JA *C R Acad Sci [D]* (Paris) 281: 1995-9, 22 Dec 75 (Fre) DL/76AUG37
- ANIMAL EXPERIMENTS (analysis); BONE MARROW (physiology); CATTLE; ENGLISH ABSTRACT; FEMALE; GLOBULINS (isolation & purification, physiology); GLYCOGEN (metabolism); GLYCOPROTEINS (physiology); GLYCOSURIA; HYPERGLYCEMIA; LIVER GLYCOGEN (metabolism); LIVER (ultrastructure); MALE; MOLECULAR WEIGHT; MUSCLES (metabolism); RABBITS; SEX FACTORS; TEMPERATURE.
- Thomas K**  
QUANTITATIVE DETERMINATION OF SEX HORMONE-BINDING GLOBULIN CAPACITY IN THE PLASMA OF NORMAL AND DIABETIC PREGNANCIES. De Hertogh R, Thomas K, Vanderheyden I *J Clin Endocrinol Metab* 42: 773-7, Apr 76 (Eng) DL/76AUG147
- Thomas L**  
ISOLATION OF GLUCOSE BINDING PROTEIN FROM BRUSH BORDER MEMBRANES OF RAT KIDNEY CORTEX. Thomas L *Curr Probl Clin Biochem* 4: 51-5, 1975 (Eng) \*DL/76AUG492
- ANIMAL EXPERIMENTS; CARRIER PROTEINS (isolation & purification); CELL MEMBRANE (analysis); ELECTROPHORESIS, POLYACRYLAMIDE GEL; ETHYLMALIMIDE (pharmacodynamics); GLUCOSE (metabolism); KIDNEY CORTEX (analysis); MOLECULAR WEIGHT; PHLOERHIZIN (pharmacodynamics); RATS; RECEPTORS, DRUG.
- Thomas PJ**  
PROSPECTIVE COMPARISON OF INDIRECT METHODS FOR DETECTING LACTASE DEFICIENCY. Newcomer AD, McGill DB, Thomas PJ, Hofman AF *N Engl J Med* 293: 1232-6, 11 Dec 75 (Eng) \*DL/76AUG752

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### Thomas VG

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CHANGES IN METABOLITE CONCENTRATION IN THE PLASMA, LIVER AND MUSCLE OF FED RESTRICTED JAPANESE QUAIL EXPOSED TO COLD. Thomas VG, George JC *Arch Int Physiol Biochem* 83: 505-18, Aug 75 (Eng) \*DL/76AUG616  
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#### Thompson JC

SECRETIN, CHOLECYSTOKININ AND NEWER GASTROINTESTINAL HORMONES (SECOND OF TWO PARTS). Rayford PL, Miller TA, Thompson JC *N Engl J Med* 294: 1157-63, 20 May 76 (Eng) [113] DL/76AUG261

#### Thorner J

METABOLIC AND CARDIOVASCULAR ABNORMALITIES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE. Vyden JK, Thorner J, Nagasawa K, Takano T, Groseth-Dittrich MF, Perlow R, Swan HJ *Am Heart J* 90: 703-8, Dec 75 (Eng) \*DL/76AUG604

#### Thorner MO

PROLACTIN AND GONADAL FUNCTION. Besser GM, Thorner MO *Pathol Biol (Paris)* 23: 779-82, Dec 75 (Eng) DL/76AUG281

#### Thorogood M

SERUM LIPIDS AND SOME ASPECTS OF DIET IN YOUNG FEMALE SURVIVORS OF MYOCARDIAL INFARCTION. Thorogood M, Mann JI *Proc Nutr Soc* 34: 83a-84a, Sep 75 (Eng) \*DL/76AUG774  
ADULT; CHOLESTEROL (blood); COFFEE (adverse effects); DIET; DIETARY FATS; EGGS; FEMALE; HUMAN; HYPERLIPIDEMIA (complications); LIPIDS (blood); MYOCARDIAL INFARCT (metabolism); TEA; TRIGLYCERIDES (blood).

#### Tichonicky I

RAT MYOCARDIAL PROTEIN KINASES. I. CYTOSOL. Gibson K, Tichonicky I, Kruh J *Biochimie* 56: 1409-16, 1974 (Eng) \*DL/76AUG632

#### Tiengo A

INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTISM. Tiengo A, Bersani G, Nosadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

#### Tillmanns H

THE EFFECT OF CARBON MONOXIDE ON LIPID METABOLISM OF HUMAN CORONARY ARTERIES. Sarma JS, Tillmanns H, Ikeda S, Bing RJ *Atherosclerosis* 22: 193-8, Sep-Oct 75 (Eng) \*DL/76AUG922

#### Tiran J

A SIMULATION MODEL OF EXTRACELLULAR GLUCOSE DISTRIBUTION IN THE HUMAN BODY. Tiran J, Galle KR, Porte D Jr *Ann Biomed Eng* 3: 34-46, Mar 75 (Eng) \*DL/76AUG888  
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#### Titheradge MA

THE MITOCHONDRIAL PYRUVATE CARRIER, ITS EXCHANGE PROPERTIES AND ITS REGULATION BY GLUCAGON. Titheradge MA, Coore HG *FEBS Lett* 63: 45-50, 15 Mar 76 (Eng) DL/76AUG90  
ANIMAL EXPERIMENTS (analysis); BIOLOGICAL TRANSPORT, ACTIVE; CITRATES (pharmacodynamics); GLUCAGON (pharmacodynamics); KINETICS; MALATES (pharmacodynamics); MITOCHONDRIA, LIVER (drug effects, metabolism); PHOSPHATES, INORGANIC (pharmacodynamics); PROTEINS (metabolism); PYRUVATES (metabolism); RATS; SUCCINATES (pharmacodynamics).

#### Tjälve H

UPTAKE OF 14C-LABELLED CHLOROQUINE AND AN 12SI-LABELLED CHLOROQUINE ANALOGUE IN SOME POLYPEPTIDE HORMONE PRODUCING CELL SYSTEMS. Dencker L, Lindquist NG, Tjälve H *Med Biol* 54: 62-8, Feb 76 (Eng) DL/76AUG226

#### Tobin RB

EFFECT OF POLYCHLORINATED BIPHENYLS AND THIAMIN DEFICIENCY ON LIVER METABOLISM IN GROWING RATS. Berdaniar CD, Tobin RB, Nielsen RC, Mehlman MA, Veech RL *J Toxicol Environ Health* 1: 91-105, Sep 75 (Eng) \*DL/76AUG732

#### Tobin T

CARDIAC GLYCOSIDES: TEMPORAL RELATIONSHIP BETWEEN THE INOTROPIC ACTION AND BINDING TO AND DISSOCIATION FROM NA<sup>+</sup>-K<sup>+</sup>-ACTIVATED ATPASE IN VITRO. Akera T, Baskin SL, Tobin T, Brody TM *Recent Adv Stud Cardiac Struct Metab* 4: 149-54, 1974 (Eng) \*DL/76AUG818

#### Tolis G

EFFECT OF CLONIDINE ON GROWTH HORMONE, PROLACTIN, LUTEINIZING HORMONE, FOLLICLE-STIMULATING HORMONE, AND THYROID-STIMULATING HORMONE IN THE SERUM OF NORMAL MEN. Lal S, Tolis G, Martin SB, Brown GM, Guyda HJ *Clin Endocrinol Metab* 41: 827-32, Nov 75 (Eng) \*DL/76AUG718

#### Tomlinson CW

ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART. Dhalla NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Cardiac Struct Metab* 5: 177-87, 1975 (Eng) \*DL/76AUG831

#### Tomoda A

TRANSPORT OF PHOSPHOENOLPYRUVATE THROUGH RED CELL MEMBRANE IN ACIDIFIED ISOTONIC SUCROSE MEDIUM. Tomoda A, Hamasaki N, Minakami S *Biochem Biophys Res Commun* 66: 1127-30, 27 Oct 75 (Eng) \*DL/76AUG914  
BIOLOGICAL TRANSPORT, ACTIVE; CELL MEMBRANE (metabolism, drug effects); ERYTHROCYTES (metabolism, drug effects); GLYCOLYSIS (drug effects); HUMAN; KINETICS; OSMOLAR CONCENTRATION; PHOSPHOENOLPYRUVATE (blood); PHOSPHOGLYCERATE KINASE (blood); SUCROSE (pharmacodynamics).

#### Topolcan O

[PLASMA] IMMUNOREACTIVE INSULIN IN TRAINED ATHLETES] Karlick V, Topolcan O, Jeschke J *Cas Lek Cesk* 115: 324-6, 19 Mar 76 (Cze) DL/76AUG26  
[IMMUNOREACTIVE INSULIN IN OBESE PATIENTS WITH CORONARY ATHEROSCLEROSIS AND MYOCARDIAL INFARCT (AUTHORS TRANSL)] Karlick V, Topolcan O, Chudacek Z *Cas Lek Cesk* 115: 207-9, 20 Feb 76 (Cze) DL/76AUG29

#### Topping DL

THE EFFECT OF TOBACCO SMOKE AND SOME OF ITS CONSTITUENTS ON TRIGLYCERIDE SECRETION IN THE SQUIRREL MONKEY. Turner DM, Topping DL *Res Commun Chem Pharmacol* 12: 85-100, Sep 75 (Eng) \*DL/76AUG838

#### Touster O

METABOLISM AND PHYSIOLOGICAL EFFECTS OF THE POLYOLS (ALDITOLS). PP. 123-34. Touster O In O Jeanes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [43] DL/76AUG174  
ALCOHOL OXIDOREDUCTASES (metabolism); ANIMAL EXPERIMENTS (analysis); DIABETES MELLITUS (chemically induced); FEMALE; HUMAN; MALE; MONOGRAPH (mortality); NUTRITION; PARENTERAL FEEDING; PREGNANCY; REVIEW; SORBITOL (physiology); STRUCTURE-ACTIVITY RELATIONSHIP; SUGAR ALCOHOLS (adverse effects, physiology, therapeutic use); SWEETENING AGENTS; XYLITOL (pharmacodynamics, physiology).

#### Towery EP

EFFECTS OF DEXTROTHYROXINE ON HYPERLIPIDEMIA AND EXPERIMENTAL ATHEROSCLEROSIS IN BEAGLE DOGS. Nandan R, Fisher JD, Towery EP, Brown DR, Ganote E, Jennings RB *Atherosclerosis* 22: 299-311, Sep-Oct 75 (Eng) \*DL/76AUG924

#### Tragl KH

[DIABETES MELLITUS AND CONTROL OF PROTEIN BIOSYNTHESIS IN RAT LIVER (AUTHORS TRANSL)] Tragl KH *Wien Klin Wochenschr* 87: 349-61, 30 May 75 (Ger) [50] DL/76AUG376

ALLOXAN DIABETES (metabolism); ANIMAL EXPERIMENTS (analysis); COMPARATIVE STUDY; DIABETES MELLITUS (metabolism); ENGLISH ABSTRACT; IN VITRO; LIVER (metabolism, ultrastructure); MUSCLES (ultrastructure); PROTEINS (biosynthesis); RATS; REVIEW; RIBOSOMAL PROTEINS (biosynthesis); RIBOSOMES (metabolism); RNA (analysis); TIME FACTORS; URIDINE (metabolism).

[THE ACTION OF INSULIN ON RIBONUCLEIC ACID METABOLISM (AUTHORS TRANSL)] Tragl KH *Wien Klin Wochenschr* 87: 361-3, 30 May 75 (Ger) DL/76AUG377

ALLOXAN DIABETES (metabolism); ANIMAL EXPERIMENTS (analysis); ENGLISH ABSTRACT; IN VITRO; INSULIN (pharmacodynamics); LIVER (ultrastructure); MALE; RATS; RIBOSOMES (drug effects, metabolism); RNA (metabolism); RNA; MESSENGER (metabolism); RNA, RIBOSOMAL (metabolism); URIDINE (metabolism).

#### Trenchard PM

A NEW FAT-DEPENDENT TIME-MODIFIED RELATIONSHIP BETWEEN BASAL PLASMA GLUCOSE LEVELS AND THE EARLY GLUCOSE RESPONSE TO ORAL GLUCOSE LOADING IN NORMAL HUMAN SUBJECTS. Trenchard PM *Clin Chim Acta* 65: 139-42, 15 Nov 75 (Eng) \*DL/76AUG480  
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#### Trif A

[COURSE OF BLOOD SUGAR AND EOSINOPHIL COUNT DURING PREGNANCY IN CATLE] Talos V, Roth G, Pop P, Trif A *Disch Tierarztl Wochenschr* 82: 286-8, 5 Jul 75 (Ger) \*DL/76AUG495

**Trisotto A**

**INSULIN AND GLUCAGON RESPONSE TO GLUCOSE AND ARGININE IN TWO PATIENTS WITH AUTOIMMUNE DIABETES MELLITUS.** Del Prete GF, Tiengo A, Bersani G, Nodadini R, Garotti C, Trisotto A *Horm Metab Res* 8: 149-50, Mar 76 (Eng) DL/76AUG111

**Trowell H**

**DEFINITION OF DIETARY FIBER AND HYPOTHESES THAT IT IS A PROTECTIVE FACTOR IN CERTAIN DISEASES.** Trowell H *Am J Clin Nutr* 29: 417-27, Apr 76 (Eng) [74] DL/76AUG428

ADULT; CELLULOSE (analysis); CHOLELITHIASIS (prevention & control); COLONIC DISEASES (occurrence, prevention & control); CORONARY DISEASE (occurrence, prevention & control); DIABETES MELLITUS (occurrence, prevention & control); DIET; DIETARY CARBOHYDRATES (analysis, therapeutic use); FEMALE; HUMAN; LIGNIN (analysis); MALE; METABOLIC DISEASES (prevention & control); OBESITY (occurrence, prevention & control); POLYSACCHARIDES (analysis, therapeutic use); REVIEW; RURAL POPULATION; URBAN POPULATION.

**Truniger B**

**[HYPONATREMIA, HYPOSMOLARITY AND WATER INTOXICATION]** Truniger B *Med Klin* 70: 1071-9, 20 Jun 75 (Ger) [30] DL/76AUG252

ADULT; BLOOD PROTEINS (analysis); DIABETIC COMA (physiopathology); DIURESIS (drug effects); FEMALE; HEMODIALYSIS (diagnosis); HUMAN; HYPERTONIC SOLUTIONS; HYPONATREMIA (complications); KIDNEY DISEASES (complications); LIPIDS (analysis); MALE; MANNITOL (pharmacodynamics); MIDDLE AGE; OSMOLAR CONCENTRATION; PERITONEAL DIALYSIS; REVIEW; SODIUM CHLORIDE (therapeutic use); VASOPRESSIN (secretion); WATER INTOXICATION (etiology, therapy).

**[WATER INTOXICATION]** Truniger B *Z Gesamte Inn Med* 30: 170-3, 1 Sep 75 (Ger) DL/76AUG382

CASE REPORT; DIABETIC COMA (blood); DIAGNOSIS; DIFFERENTIAL; ENGLISH ABSTRACT; HUMAN; KIDNEY DISEASES (complications); MULTIPLE MYELOMA (blood); OSMOLAR CONCENTRATION; SODIUM (blood); VASOPRESSIN (secretion); WATER INTOXICATION (diagnosis, therapy); WATER-ELECTROLYTE BALANCE.

**Trutneva KV**

**[RATE OF BLOOD OXYGEN OUTPUT IN CERTAIN TYPES OF OCULAR PATHOLOGY]** Zaretskaia RB, Trutneva KV, Epshtein IM, Mikhailova NA *Vestn Oftalmol* 19-22, Jul-Aug 75 (Rus) DL/76AUG358

**Tsai AC**

**EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS.** Waterman RA, Romsos DR, Tsai AC, Miller ER, Leveille GA *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779

**Tsan MF**

**STIMULATION BY PROPYLTHIOURACIL OF THE HEXOSE MONOPHOSPHATE SHUNT IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES DURING PHAGOCYTOSIS.** Tsan MF, McIntyre PA *Br J Haematol* 31: 193-208, Oct 75 (Eng) \*DL/76AUG472

BLOOD SUGAR (metabolism); CATALASE (antagonists & inhibitors); CYANIDES (pharmacodynamics); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism);

GRANULOMATOUS DISEASE, CHRONIC (metabolism); HEXOSEPHOSPHATES (metabolism); HUMAN; HYDROGEN PEROXIDE (pharmacodynamics); IODOACETATES (pharmacodynamics); LATEX PARTICLES; METHIMAZOLE (pharmacodynamics); NEUTROPHILS (metabolism); PHAGOCYTOSIS (drug effects); PHOSPHOGLUCONATE DEHYDROGENASE (metabolism); PROPYLTHIOURACIL (pharmacodynamics); THIOURACIL (pharmacodynamics); THIOUREA (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

**Tsao MU**

**REGULATION OF GLYCOLYSIS IN NEUROSPORA CRASSA. KINETIC PROPERTIES OF PYRUVATE KINASE.** Tsao MU, Madley TI *Microbios* 12: 125-42, 1975 (Eng) \*DL/76AUG746

ADENOSINE TRIPHOSPHATE (pharmacodynamics); CALCIUM (pharmacodynamics); CELL-FREE SYSTEM; CITRATES (pharmacodynamics); ENZYME ACTIVATION; FRUCTOSEPHOSPHATES (pharmacodynamics); GLYCOLYSIS; KINETICS; MAGNESIUM (pharmacodynamics); NEUROSPORA CRASSA (metabolism, enzymology); NEUROSPORA (metabolism); OXALOACETATES (pharmacodynamics); PHILIPPINES; POTASSIUM (pharmacodynamics); PYRUVATE KINASE (metabolism, isolation & purification, antagonists & inhibitors).

**Tschudy DP**

**COMPARATIVE EFFECTS OF GLYCEROL AND DEXTROSE ON PORPHYRIN PRECURSOR EXCRETION IN ACUTE INTERMITTENT PORPHYRIA.** Bonkowsky HL, Magnusson CR, Collins AR, Doherty JM, Hess RA, Tschudy DP *Metabolism* 25: 405-14, Apr 76 (Eng) DL/76AUG243

**Tuman RW**

**THE ROLE OF TRACE ELEMENTS IN HUMAN NUTRITION AND METABOLISM.** PP. 156-77. Tuman RW, Doisy RJ *In: Ino Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates.* Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [59] DL/76AUG177

ADULT; AGED; ANIMAL EXPERIMENTS (analysis); ANIMAL NUTRITION; CHEMISTRY; CHILD; CHROMIUM; COBALT; COPPER; FEMALE; FLUORINE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; IODINE; IRON; MALE; MANGANESE; MIDDLE AGE; MOLYBDENUM; MONOGRAPH (mortality); NICKEL (physiology); NUTRITION; NUTRITIONAL REQUIREMENTS; PREGNANCY; REVIEW; SELENIUM; SILICON; TIN (physiology); TRACE ELEMENTS (deficiency, physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ; VANADIUM; ZINC.

**Tunbridge WM**

**BROMOCRIPTINE THERAPY IN ACROMEGALY.** Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

**Turner DM**

**THE EFFECT OF TOBACCO SMOKE AND SOME OF ITS CONSTITUENTS ON TRIGLYCERIDE SECRETION IN THE SQUIRREL MONKEY.** Turner DM, Topping DL *Res Commun Chem Pathol Pharmacol* 12: 85-100, Sep 75 (Eng) \*DL/76AUG838

ANIMAL; CARBON MONOXIDE (pharmacodynamics); CARBOXYHEMOGLOBIN (analysis); CHOLESTEROL (blood); FATTY

ACIDS, NONESTERIFIED (blood); HEMOGLOBINOMETRY; MALE; MONKEYS; SMOKE; SQUIRREL MONKEYS; TIME FACTORS; TOBACCO; TRIGLYCERIDES (metabolism); TRITONS (pharmacodynamics).

**Tutera G**

**THE GLUCOSE-INSULIN RATIO IN AMNIOTIC FLUID.** Newman R, Tutera G *Obstet Gynecol* 47: 599-601, May 76 (Eng) DL/76AUG279

**Tuynman HA**

**THE EFFECT OF ETHYLURETHANE ON HEMATOCRIT, BLOOD PRESSURE AND PLASMA-GLUCOSE.** Van Der Meer C, Versluis-Broers JA, Tuynman HA, Buur VA *Arch Int Pharmacodyn Ther* 217: 257-75, Oct 75 (Eng) \*DL/76AUG901

**Tuzlukov AP**

**[EXPERIMENTAL STUDY OF MANGANESE CHLORIDE TOXICITY]** Pashinskii VG, Tuzlukov AP, Rassokhin VM, Arefeva AK, Sedova KS *Farmakol Toksikol* 38: 618-20, Sep-Oct 75 (Rus) \*DL/76AUG680

**Tverdova EB**

**[AN ADVERSE GLYCEMIC EFFECT IN PATIENTS AS A RESULT OF TREATMENT WITH NEUROLEPTICS]** Tverdova EB *Zh Nevropatol Psikhiatr* 76: 450-2, 1976 (Rus) DL/76AUG395

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**Twrdy E**

**[SYMPTOMATOLOGY OF REGULATORY MECHANISMS IN OLD AGE]** PP. 39-52. Twrdy E *In: Ino Doberauer W, ed. Scriptum geriatricum.* Munchen, Urban & Schwarzenberg, 1975. W3 I973 1974s. (Ger) DL/76AUG162

AGED; AGING; ANTICOAGULANTS (adverse effects); ANTINEOPLASTIC AGENTS (adverse effects); CEREBROVASCULAR DISORDERS (diagnosis); HEART DISEASES (diagnosis); HORMONES (adverse effects); HUMAN; HYPOGLYCEMIC AGENTS (adverse effects); KIDNEY DISEASES (diagnosis); MONOGRAPH (mortality); STRESS, PSYCHOLOGICAL.

**Tzankoff SP**

**A DESIGN IMPROVEMENT IN CONTINUOUS BLOOD SAMPLING AND ANALYSIS FOR GLUCOSE IN REST AND EXERCISE.** Tzankoff SP, Leatherman NE, Robinson S *J Appl Physiol* 39: 873-4, Nov 75 (Eng) \*DL/76AUG710

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**Udeschini G**

**INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG.** Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

**Ueda K**

**EPIDEMIOLOGICAL AND CLINICOPATHOLOGICAL STUDY ON RENAL DISEASES OBSERVED IN THE AUTOPSY CASES IN HISAYAMA POPULATION, KYUSHU ISLAND, JAPAN.** Ueda K, Omae T, Hirota Y, Takeshita M, Hiroyoshi Y *J Chronic Dis* 29: 159-73, Mar 76 (Eng) DL/76AUG139

ADULT; AGED; AGING; AUTOPSY; BLOOD PRESSURE; BLOOD SUGAR (metabolism); CICATRIX; DIABETES MELLITUS (complications); FEMALE; HUMAN; HYPERTENSION (complications); JAPAN ;

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### Uete T

AUTOREGULATORY SYSTEM OF INSULIN DEGRADATION IN LIVER. II. RELATIONSHIP BETWEEN BLOOD INSULIN LEVELS AND GSH-DEPENDENT INSULIN DEGRADATION ACTIVITY IN LIVER AND BLOOD. Uete T, Shimano N, Shimizu S, Morikawa M *Metabolism* 25: 375-84, Apr 76 (Eng) DL/76AUG241  
ANIMAL EXPERIMENTS (analysis); DIETARY CARBOHYDRATES; EATING; GLUTATHIONE (blood, metabolism); HOMEOSTASIS; INSULIN (administration & dosage, blood, metabolism); LIVER (metabolism); MALE; OXIDATION-REDUCTION; PHILIPPINES (physiology); RATS.

### Ulrich KJ

DIRECT AND UTILIZATION OF METABOLIC ENERGY FOR TRANSPORT PROCESSES WITHIN PROXIMAL CONVOLUTION. Ulrich KJ *Curr Probl Clin Biochem* 4: 13-20, 1975 (Eng) \*DL/76AUG485

ADENOSINE TRIPHOSPHATASE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; BICARBONATES (metabolism); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); CHLORIDES (metabolism); ENERGY METABOLISM; GLUCOSE (metabolism); HEXOSES (metabolism); HISTIDINE (metabolism); KIDNEY TUBULES, PROXIMAL (metabolism); KINETICS; PHLOPHAZIN (pharmacodynamics); RATS; SODIUM (metabolism).

### Ulrich E

[RADIOIMMUNOLOGICAL DETERMINATIONS OF INSULIN IN SMALL SERUM SAMPLES USING WICK-CHROMATOGRAPHY] Ulrich E, Schneyer U, Hadecke J *Endokrinologie* 63: 364-7, 1974 (Ger) DL/76AUG79  
ANIMAL EXPERIMENTS (analysis); ANTIGENS; BINDING SITES, ANTIBODY; CHROMATOGRAPHY (methods); GUINEA PIGS; HUMAN; INSULIN (blood); IODINE RADIOISOTOPES; RADIOIMMUNOASSAY; SWINE.

[THERAPY OF DIABETES MELLITUS TODAY] Seige K, Ulrich E *Z Gesamte Inn Med* 30: 37-42, May 75 (Ger) DL/76AUG385

### Ulrich M

CORRELATION BETWEEN HUMAN CHLORONIC SOMATOMAMMOTROPIN AND PLACENTAL WEIGHT. Rolschau J, Date J, Kristoffersen K, Pedersen GT, Ulrich M *Acta Obstet Gynecol Scand* 54: 341-6, 1975 (Eng) \*DL/76AUG598

### Umali T

RNA POLYMERASE AND ADENYL CYCLASE IN CARDIAC HYPERTROPHY AND CARDIOMYOPATHY. Nair KG, Umali T, Potts J *Recent Adv Stud Cardiac Struct Metab* 3: 479-87, 1973 (Eng) \*DL/76AUG801

### Umminger BL

BODY SIZE AND WHOLE BLOOD SUGAR CONCENTRATIONS IN MAMMALS. Umminger BL *Comp Biochem Physiol [A]* 52: 455-8, 1 Nov 75 (Eng) \*DL/76AUG666

ANIMAL; BLOOD SUGAR (analysis); BODY SURFACE AREA; BODY WEIGHT; MAMMALS; REGRESSION ANALYSIS; SPECIES SPECIFICITY; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

### Unakar NJ

ELECTRON MICROSCOPY OF CULTURED MAMMALIAN LENSES. II. CHANGES

PRECEDING AND ACCOMPANYING INSULIN-INDUCED MITOSIS. Reddan JR, Unakar NJ *Invest Ophthalmol* 15: 411-7, May 76 (Eng) DL/76AUG125

### Unger R

IDENTIFICATION OF GLUCAGON-PRODUCING CELLS (A CELLS) IN DOG GASTRIC MUCOSA. Baetens D, Rufener C, Srikanth BC, Dobbs R, Unger R, Orci L *J Cell Biol* 69: 455-64, May 76 (Eng) DL/76AUG137

### Unger RH

[ACTIVITY OF SOMATOSTATIN-CONTAINING CELLS OF THE ILETS OF LANGERHANS IN EXPERIMENTAL DIABETES] Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *C R Acad Sci [D] (Paris)* 281: 1883-5, 15 Dec 75 (Fre) DL/76AUG36

[IMMUNOCYTOCHEMICAL IDENTIFICATION OF THE GLUCAGON-SECRETING CELLS IN GASTRIC MUCOSA] Baetens D, Rufener C, Unger RH, Renold AE, Orci L *C R Acad Sci [D] (Paris)* 282: 195-7, 12 Jan 76 (Fre) DL/76AUG39

HYPERTROPHY AND HYPERPLASIA OF SOMATOSTATIN-CONTAINING D-CELLS IN DIABETES. Orci L, Baetens D, Rufener C, Amherdt M, Ravazzola M, Studer P, Malaisse-Lagae F, Unger RH *Proc Natl Acad Sci USA* 73: 1338-42, Apr 76 (Eng) DL/76AUG318

### Unyi G

THE ROLE OF BRAIN MONAMINES IN THE SUSCEPTIBILITY TO SEIZURES BROUGHT ABOUT BY CHEMICAL AND ELECTRICAL STIMULATIONS. PP. 259-72. Pfeiffer AK, Unyi G *Ino Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 1631H* 1971. (Eng) DL/76AUG181

### Urban J

FACTORS INVOLVED IN THE NUTRITION OF THE HUMAN LUMBAR INTERVERTEBRAL DISC: CELLULARITY AND DIFFUSION OF GLUCOSE IN VITRO. Maroudas A, Stockwell RA, Nachemson A, Urban JJ *Anat* 120: 113-30, Sep 75 (Eng) \*DL/76AUG706

### Urschel CW

HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA. Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG813

### Uthne K

SOMATOMEDIN A AND B: DEMONSTRATION OF TWO DIFFERENT SOMATOMEDIN-LIKE COMPONENTS IN HUMAN PLASMA. Wasteson A, Westermark B, Uthne K *Adv Metab Disord* 8: 101-13, 1975 (Eng) [23] \*DL/76AUG600

### Utz G

THE EFFECT OF PROPANOLOL AND PHENTOLAMINE ON SERUM GASTRIN CONCENTRATION IN RESPONSE TO RESPIRATORY ACIDOSIS IN NORMAL MAN. Kaess H, Utz G, Teckentrup U, Hauck AM, Dörner M *Eur J Clin Invest* 5: 401-8, 12 Sep 75 (Eng) \*DL/76AUG678

### Uzuki K

X-LINKED ICHTHYOSIS, BILATERAL CRYPTORCHIDISM, HYPOGENITALISM AND MENTAL RETARDATION IN TWO SIBLINGS. Abe K, Matsuda I, Matsuura N, Murayama T, Uzuki K, Okuno A *Clin Genet* 9: 341-5, Mar 76 (Eng) DL/76AUG43

### Vainio H

ETHANOL INDUCED ALTERATION OF MICROSOMAL MEMBRANE BOUND EN-

ZYMES OF RAT LIVER IN VITRO. Marniemi J, Aitio A, Vainio H *Acta Pharmacol Toxicol (Kbh)* 37: 222-32, Sep 75 (Eng) \*DL/76AUG873

### Vale W

EFFECTS OF NEUROTENSIN AND SUBSTANCE P ON PLASMA INSULIN, GLUCAGON AND GLUCOSE LEVELS. Brown M, Vale W *Endocrinology* 98: 819-22, Mar 76 (Eng) DL/76AUG73

GROWTH HORMONE RELEASE IN THE RAT: EFFECTS OF SOMATOSTATIN AND THYROTROPIN-RELEASING FACTOR. Brown M, Vale W *Endocrinology* 97: 1151-6, Nov 75 (Eng) \*DL/76AUG670

### Valnickova J

[POSSIBILITIES IN PREVENTION OF MANIFEST DIABETES MELLITUS IN POTENTIAL DIABETICS (PRELIMINARY REPORT)] Dvorakova L, Valnickova J, Mikan M, Prokes J *Vnit Lek* 22: 262-7, Mar 76 (Cze) DL/76AUG360

### Van Breemen C

STIMULATION OF 45CA EFFLUX FROM SMOOTH MUSCLE CELLS BY METABOLIC INHIBITION AND HIGH K DEPOLARIZATION. Van Breemen C, Wuytack F, Casteels R, Martinelli B, Campailla E, Ferrari G *Pfluegers Arch* 359: 183-96, 9 Sep 75 (Eng) \*DL/76AUG758

ADENOSINE DIPHOSPHATE (antagonists & inhibitors); ADENOSINE MONOPHOSPHATE (antagonists & inhibitors); ADENOSINE TRIPHOSPHATE (antagonists & inhibitors); ANIMAL; BINDING SITES; BIOLOGICAL TRANSPORT; CALCIUM (metabolism); CELL MEMBRANE (drug effects); COLON (metabolism); DINTROPHENOLS (pharmacodynamics); EXTRACELLULAR SPACE (metabolism); EGTA; GLYCOLYSIS (drug effects); GUINEA PIGS; IODOACETATES (pharmacodynamics); LANTHANUM (pharmacodynamics); MALE; MUSCLE, SMOOTH (drug effects, metabolism); OXIDATIVE PHOSPHORYLATION (drug effects); POTASSIUM (pharmacodynamics).

ACTIVE AND PASSIVE CA<sup>2+</sup> & FLUXES ACROSS CELL MEMBRANES OF THE GUINEA-PIG TAENIA COLI. Casteels R, Van Breemen C *Pfluegers Arch* 359: 197-207, 9 Sep 75 (Eng) \*DL/76AUG759

### van Buijl S

FURTHER OBSERVATIONS ON PLASMA SOMATOMEDIN ACTIVITY IN CHILDREN. van den Brande JL, van Buijl S, Heinrich U, van Roon F, Zurcher T, van Steirtegem AC *Adv Metab Disord* 8: 171-81, 1975 (Eng) \*DL/76AUG602

### van de Graaf HM

EFFECTS OF DIETARY ERUCIC AND LINOLEIC ACID ON MYOCARDIAL FUNCTION IN RATS. ten Hoor F, van de Graaf HM, Verroosen AJ *Recent Adv Stud Cardiac Struct Metab* 3: 59-72, 1973 (Eng) \*DL/76AUG807

### van den Bergh O

[BRONCHIAL CARCINOMA WITH SECRETION OF ACTH AND HCG (AUTHORS TRANSL.)] De Leeuw I, van den Bergh O, Abs R *Acta Tuberc Pneumol Belg* 66: 361-7, Jul-Oct 75 (Dut) DL/76AUG423

### Van den Berghe G

BIOCHEMICAL ASPECTS OF HEREDITARY FRUCTOSE INTOLERANCE. PP. 211-28. Van den Berghe G *Ino Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism. London, Academic Press, 1975. WD 205 N842 1974. (Eng) [94] DL/76AUG166*



# Diabetes Literature—Author Index

Vernon RG

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (urine); ANIMAL EXPERIMENTS (analysis); CARBOHYDRATE METABOLISM, INBORN ERRORS (metabolism); CHILD, PRESCHOOL; FRUCTOSE INTOLERANCE (complications, metabolism); FRUCTOSE (metabolism); FRUCTOSE (pharmacodynamics); FRUCTOSEDIPHOSPHATE ALDOLASE (metabolism); FRUCTOSEPHOSPHATES (metabolism); GLUCAGON (metabolism); GLUCOSE (metabolism); GLYCERALDEHYDE (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGEN (biosynthesis); HUMAN; HYPOGLYCEMIA (etiology); INFANT; INTESTINE, SMALL (metabolism); KETONES (pharmacodynamics); KIDNEY (metabolism); LIVER GLYCOGEN (metabolism); LIVER (drug effects, metabolism); MONOGRAPH (mortality); REVIEW; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

## van den Brande JL

FURTHER OBSERVATIONS ON PLASMA SOMATOMEDIN ACTIVITY IN CHILDREN. van den Brande JL, van Buul S, Heinrich U, van Roon F, Zurcher T, van Steirtegem AC *Adv Metab Disord* 8: 171-81, 1975 (Eng) \*DL/76AUG602  
AFFECTIVE DISTURBANCES (blood); BODY HEIGHT; BODY WEIGHT; CHILD; CIRCADIAN RHYTHM; FEMALE; GROWTH DISORDERS (blood); HUMAN; MALE; NUTRITION DISORDERS (blood); SOMATOMEDIN (analysis, antagonists & inhibitors).

## Van Der Meer C

THE EFFECT OF ETHYLURETHANE ON HEMATOCRIT, BLOOD PRESSURE AND PLASMA-GLUCOSE. Van Der Meer C, Versluis-Broers JA, Tuijnman HA, Buur VA *Arch Int Pharmacodyn Ther* 217: 257-75, Oct 75 (Eng) \*DL/76AUG901  
ADMINISTRATION, ORAL; ANIMAL; BLOOD PRESSURE (drug effects); BLOOD PROTEINS (metabolism); BLOOD SUGAR (metabolism); ERYTHROCYTE COUNT; FEMALE; HEMATOCRIT; INJECTIONS, INTRA-ARTERIAL; INJECTIONS, INTRAPERITONEAL; INJECTIONS, SUBCUTANEOUS; MALE; PERITONEAL FLUID (drug effects); PLASMA VOLUME (drug effects); RATS; SPLENECTOMY; TIME FACTORS; URETHANE (analogs & derivatives, pharmacodynamics, administration & dosage).

## Van Der Walt JG

SOME OBSERVATIONS ON THE USE OF D-GLUCOSE-2-<sup>3</sup>H AS A TRACER IN TURNOVER STUDIES IN MERINO SHEEP. Van Der Walt JG *Onderstepoort J Vet Res* 42: 63-5, Mar 75 (Eng) \*DL/76AUG755  
ANIMAL; BLOOD SUGAR (metabolism); CARBON RADIOISOTOPES; COMPARATIVE STUDY; GLUCOSE (metabolism); GLYCOGEN (metabolism); MALE; MUSCLES (metabolism); SHEEP (metabolism); TRITIUM.

## Van Handel PJ

LEG MUSCLE METABOLISM DURING EXERCISE IN THE HEAT AND COLD. Fink WJ, Costill DL, Van Handel PJ *Eur J Appl Physiol* 34: 183-90, 15 Aug 75 (Eng) \*DL/76AUG673

## van Oppenraay JB

AN IMPROVED SEMI-AUTOMATED METHOD FOR THE COLORIMETRIC DETERMINATION OF TRIGLYCERIDES IN SERUM. Demacker PN, van Oppenraay JB, Baadenhuijsen H, Jansen AP *Clin Chim Acta* 64: 45-50, 1 Oct 75 (Eng) \*DL/76AUG661

## van Roon F

FURTHER OBSERVATIONS ON PLASMA SOMATOMEDIN ACTIVITY IN CHILDREN. van den Brande JL, van Buul S, Heinrich U, van

Roon F, Zurcher T, van Steirtegem AC *Adv Metab Disord* 8: 171-81, 1975 (Eng) \*DL/76AUG602

## Van Stee EW

THE EFFECTS OF THREE VAPORIZABLE FIRE EXTINGUISHING AGENTS ON MYOCARDIAL METABOLISM AND CARDIOVASCULAR DYNAMICS IN THE ANESTHETIZED DOG. Van Stee EW, Harris AM, Horton ML, Back KC *Toxicol Appl Pharmacol* 34: 62-71, Oct 75 (Eng) \*DL/76AUG588  
ANIMAL EXPERIMENTS; BLOOD PRESSURE (drug effects); BLOOD SUGAR (metabolism); CORONARY CIRCULATION (drug effects); DOGS; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; FIRES (prevention & control); FREON (pharmacodynamics); HEART RATE (drug effects); HEMODYNAMICS (drug effects); HYDROCARBONS, HALOGENATED (pharmacodynamics); LACTATES (blood); MALE; MYOCARDIUM (metabolism); OXYGEN CONSUMPTION (drug effects); OXYGEN (blood); PYRUVATES (blood); TIME FACTORS.

## van Steirtegem AC

FURTHER OBSERVATIONS ON PLASMA SOMATOMEDIN ACTIVITY IN CHILDREN. van den Brande JL, van Buul S, Heinrich U, van Roon F, Zurcher T, van Steirtegem AC *Adv Metab Disord* 8: 171-81, 1975 (Eng) \*DL/76AUG602

## van Steveninck J

TRANSPORT-ASSOCIATED PHOSPHORYLATION OF 2-DEOXY-D-GLUCOSE IN SACCHAROMYCES FRAGILIS. Jaspers HT, van Steveninck J *Biochim Biophys Acta* 406: 370-85, 17 Oct 75 (Eng) \*DL/76AUG629

## Vanderheyden I

QUANTITATIVE DETERMINATION OF SEX HORMONE-BINDING GLOBULIN CAPACITY IN THE PLASMA OF NORMAL AND DIABETIC PREGNANCIES. De Hertogh R, Thomas K, Vanderheyden I *J Clin Endocrinol Metab* 42: 773-7, Apr 76 (Eng) DL/76AUG147

## Vankova B

[RENAL GLYCOSURIA (POSSIBILITY OF RELATION TO DIABETES MELLITUS)] Rames I, Vankova B *Vnitř Lek* 22: 268-73, Mar 76 (Cze) DL/76AUG361

## Varga F

STUDIES ON PLASMA FREE-FATTY-ACID METABOLISM AND TRIGLYCERIDE SYNTHESIS OF BROWN ADIPOSE TISSUE IN VIVO DURING COLD-INDUCED THERMOGENESIS OF THE NEWBORN RABBIT. Schenk H, Heim T, Mende T, Varga F, Goetze E *Eur J Biochem* 58: 15-22, 1 Oct 75 (Eng) \*DL/76AUG675

## Varga K

[CHANGES IN GLUCOSE-6-PHOSPHATE DEHYDROGENASE ACTIVITY IN THE HUMAN PLACENTA DURING PREGNANCY] Csaba I, Nagy P, Szabo I, Bucs G, Varga K *Zentralbl Gynaekol* 97: 714-7, 1975 (Ger) \*DL/76AUG866

## Varga P

EFFECT OF PITUITARY STALK LESION ON WATER AND CARBOHYDRATE METABOLISMS IN ALLOXAN-DIABETIC RATS. Laszlo FA, Durszt F, Varga P, Czako I. *Endokrinologie* 63: 294-303, 1974 (Eng) DL/76AUG77

## Varley KG

ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART. Dhalla NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Car-*

*diac Struct Metab* 5: 177-87, 1975 (Eng) \*DL/76AUG831

## Vasiliiu F

CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT. Steinbach M, Constantineanu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicatlade MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bittu R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliiu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

## Vazquez J

PROTECTIVE EFFECT OF STEROIDS ON LIVER ISCHEMIA. Santiago Delpin EA, Figueroa I, Lopez R, Vazquez J *Am Surg* 41: 683-5, Nov 75 (Eng) \*DL/76AUG889

## Veech RL

EFFECT OF POLYCHLORINATED BIPHENYLS AND THIAMIN DEFICIENCY ON LIVER METABOLISM IN GROWING RATS. Berdani CD, Tobin RB, Nielsen RC, Mehman MA, Veech RL *J Toxicol Environ Health* 1: 91-105, Sep 75 (Eng) \*DL/76AUG732

## Veith FJ

CLINICAL SEGMENTAL PANCREATIC TRANSPLANTATION WITH URETER-TO-PANCREATIC DUCT ANASTOMOSIS FOR EXOCRINE DRAINAGE. Gledman ML, Natale DL, Rifkin H, Soberman R, Freed S, Tellis V, Veith FJ *Bull Soc Int Chir* 34: 15-20, 1975 (Eng) DL/76AUG34

## Venkataraman MS

ACID INHIBITION IN INSULIN TEST-A PRELIMINARY REPORT. Venkataraman MS, Balasubramanian V, Kanaka TS, Nanjunda Rao R *Indian J Physiol Pharmacol* 19: 207-12, Oct-Dec 75 (Eng) DL/76AUG119  
ADULT; BLOOD SUGAR (analysis); CASE REPORT; DEPRESSION, CHEMICAL; ELECTROENCEPHALOGRAPHY; GASTRIC JUICE (secretion); HUMAN; HYPOTHALAMUS (drug effects, physiology); INSULIN (pharmacodynamics); MALE; SECRETORY RATE (drug effects).

## Venkitasubramanian TA

ROLE OF ADRENALS IN THE VITAMIN A-MEDIATED INCREASE IN THE ACTIVITIES OF GLUCONEOGENIC ENZYMES OF RAT LIVER. Singh M, Ningth VN, Venkitasubramanian TA *Life Sci* 17: 859-65, 15 Sep 75 (Eng) \*DL/76AUG573

## Veres K

TRANSPORT OF 4-DEOXY- AND 6-DEOXY-D-GLUCOSE IN BAKERS YEAST. Kotyk A, Michaljanovic D, Veres K, Soukupova V *Folia Microbiol (Praha)* 20: 496-503, 1975 (Eng) \*DL/76AUG515

## Vergroesen AJ

EFFECTS OF DIETARY ERUCIC AND LINOLEIC ACID ON MYOCARDIAL FUNCTION IN RATS. ten Hoor F, van de Graaf HM, Vergroesen AJ *Recent Adv Stud Cardiac Struct Metab* 3: 59-72, 1973 (Eng) \*DL/76AUG807

## Vernon RG

INHIBITION OF RAT AND SHEEP ADIPOSE-TISSUE LIPOGENESIS BY PALMITIC ACID AND LINOLEIC ACID ADDED IN VITRO. Vernon RG *Biochem Soc Trans* 3: 717, 1975 (Eng) \*DL/76AUG504  
ADIPOSE TISSUE (metabolism, drug effects); ANIMAL EXPERIMENTS; FATTY ACIDS, UNSATURATED (biosynthesis); LINOLEIC ACIDS (pharmacodynamics); LIPIDS (biosynthesis); PALMITIC ACIDS

## Verrillo A

(pharmacodynamics); RATS; SHEEP; SPECIES SPECIFICITY.

## Verrillo A

**DIAL VARIATION IN BLOOD SUGAR AND SERUM INSULIN IN RESPONSE TO GLUCOSE AND/OR GLUCAGON IN HEALTHY SUBJECTS.** Melani F, Verrillo A, Marasco M, Rivellese A, Osorio J, Bertolini MG *Horm Metab Res* 8: 85-8, Mar 76 (Eng) DL/76AUG113

## Versluis-Broers JA

**THE EFFECT OF ETHYLURETHANE ON HEMATOCRIT, BLOOD PRESSURE AND PLASMA-GLUCOSE.** Van Der Meer C, Versluis-Broers JA, Tuynman HA, Buur VA *Arch Int Pharmacodyn Ther* 217: 257-75, Oct 75 (Eng) \*DL/76AUG901

## Vessey DA

**MEMBRANE FLUIDITY AND THE REGULATION OF MEMBRANE-BOUND ENZYMES.** Vessey DA, Zakim D *Horiz Biochem Biophys* 1: 138-74, 1974 (Eng) [39] \*DL/76AUG697

**ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL; BINDING SITES; CALCIUM (metabolism); CELL MEMBRANE (enzymology, ultrastructure); FREEZE FRACTURING; HUMAN; MEMBRANES, ARTIFICIAL; MICROSCOPY, ELECTRON; MODELS, BIOLOGICAL; PHOSPHOLIPIDS (analysis); PROTEIN BINDING; PROTEINS (analysis); REVIEW; TEMPERATURE; UDP GLUCURONOSYLTRANSFERASE (metabolism); VITAMIN B 12 DEFICIENCY (metabolism).**

## Vial C

**SOME PROPERTIES OF PIG HEART MITOCHONDRIAL CREATINE KINASE.** Vial C, Gautheron DC *Recent Adv Stud Cardiac Struct Metab* 3: 81-9, 1973 (Eng) \*DL/76AUG815

**ADENOSINE TRIPHOSPHATASE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ADENYLATE KINASE (metabolism); ANIMAL EXPERIMENTS; CREATINE KINASE (metabolism); CREATINE (metabolism); KINETICS; MITOCHONDRIA, MUSCLE (enzymology, metabolism); MYOCARDIUM (enzymology, ultrastructure); OXYGEN CONSUMPTION; PHOSPHOCREATINE (metabolism); SWINE.**

## Vicentini L

**INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG.** Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

## Videla HA

**THE RESPONSE OF A BIOELECTROCHEMICAL CELL WITH SACCHAROMYCES CEREVISIAE METABOLIZING GLUCOSE UNDER VARIOUS FERMENTATION CONDITIONS.** Videla HA, Arvia AJ *Biotechnol Bioeng* 17: 1529-43, Oct 75 (Eng) \*DL/76AUG641

**ELECTRICITY; ELECTROCHEMISTRY (instrumentation); FERMENTATION; GLUCOSE (metabolism); PHILIPPINES; SACCHAROMYCES CEREVISIAE (metabolism).**

## Vigas M

**EFFECT OF ELECTROCONVULSIVE THERAPY WITHOUT ANTICONVULSIVE PREMEDICATION ON SERUM GROWTH HORMONE IN MAN.** Vigas M, Stowasserova N, Nemeth S, Jurcovicova J *Horm Res* 6: 65-70, 1975 (Eng) \*DL/76AUG691

**ADOLESCENCE; ADULT; BLOOD SUGAR (metabolism); FEMALE; HUMAN; LACTATES (blood); MENTAL DISORDERS (therapy);**

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**SHOCK THERAPY, ELECTRIC; SOMATOTROPIN (blood).**

## Vigneri R

**CHRONOBIOLOGICAL STUDY OF GROWTH HORMONE SECRETION IN MAN: ITS RELATION TO SLEEP-WAKE CYCLES AND TO INCREASING AGE.** PP. 81-7. DAgata R, Vigneri R, Polosa P, Semenenko EI, Myskovskii VI, I USON-Stiennon JA, Leclercq G *Ino Scheving LE, et al., ed. Chronobiology*. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (Eng) DL/76AUG186

## Viiachki I

**[STUDY OF METABOLISM IN RECONSTRUCTIVE OPERATIONS FOR DUMPING SYNDROME]** Schober KL, Palkoska F, Viiachki I, Hanke P, Schultz K *Khirurgiia (Sofia)* 28: 122-6, 1975 (Bul) DL/76AUG214

## Villanueva ML

**POTENTIATION OF GLUCAGON SECRETION BY SEROTONIN ANTAGONISTS IN MAN.** Marco J, Hedo JA, Martinell J, Calle C, Villanueva ML *J Clin Endocrinol Metab* 42: 215-21, Feb 76 (Eng) DL/76AUG140

## Vinik AI

**CLINICAL ASPECTS OF MONOCOMPONENT INSULINS IN THE TREATMENT OF DIABETES.** Vinik AI, Joffe BI, Seftel HC, Distiller LA, Jackson WP *S Afr Med J* 50: 587-91, 3 Apr 76 (Eng) DL/76AUG345

**ADOLESCENCE; ADULT; AGED; DIABETES MELLITUS (drug therapy, immunology); DRUG CONTAMINATION; DRUG STABILITY; DRUG STORAGE; FEMALE; HUMAN; INSULIN ANTIODIES (analysis); INSULIN (therapeutic use); INSULIN (adverse effects); INSULIN, LENTE (therapeutic use); MALE; MIDDLE AGE; PROINSULIN (immunology).**

## Vinogradov AG

**[RETICULOENDOTHELIAL SYSTEM, LIPID METABOLISM AND ATHEROSCLEROSIS]** Vinogradov AG, Denisenko AD *Patol Fiziol Eksp Ter* 3-12, Mar-Apr 75 (Rus) [138] \*DL/76AUG756

**ANIMAL; ARTERIES (metabolism, pathology); ARTERIOSCLEROSIS (etiology); ATHEROSCLEROSIS (etiology); CHOLESTEROL (metabolism); CHOLESTEROL, DIETARY (adverse effects); FATTY ACIDS (metabolism); HUMAN; IN VITRO; KUPFFER CELLS (metabolism); LIPIDS (metabolism); LIPOPROTEINS (metabolism); MACROPHAGES (metabolism); MUSCLE, SMOOTH; RABBITS; RATS; RETICULOENDOTHELIAL SYSTEM (pathology); REVIEW; TISSUE CULTURE; TRIGLYCERIDES (metabolism).**

## Visset J

**[A SERIES OF 11 ISLET-CELL TUMOURS OF THE PANCREAS WITH INSULIN SECRETION (AUTHORS TRANSL)]** Leborgne J, Pannier M, Le Neel JC, Visset J, Lenne Y, Mousseau M *Ann Chir* 30: 193-201, Mar 76 (Fre) DL/76AUG452

## Vitovec J

**[THE CANDIDIOSIS OF THE STOMACH]** Vitovec J *Fortschr Geb Roentgenstr Nukleomed* 124: 289-90, Mar 76 (Ger) DL/76AUG107

**AGED; ALCOHOLISM (complications); CANDIDA (pathogenicity); CASE REPORT; DIABETES MELLITUS (complications); FEMALE; GASTRITIS (complications); GASTROINTESTINAL SYSTEM (microbiology); GASTROSCOPY; HUMAN; MONILIASIS (complications, radiography); STOMACH DISEASES (radiography).**

## Vladescu C

**PLASMA CORTICOSTERONE SECRETION IN RATS AFTER IRRADIATION.** Groza P,

Vladescu C *Physiologie* 12: 53-5, 1975 (Eng) \*DL/76AUG584

## Voiosu R

**CORONARY HEART DISEASE AND ITS RISK FACTORS IN A GROUP OF 5,000 MIDDLE AGED MEN IN URBAN ENVIRONMENT.** Steinbach M, Constantinescu M, Harnagea P, Theodorini S, Georgescu M, Georgescu A, Manicadite MA, Voiosu R, Cucu F, Suciu A, Chirulescu Z, Bitta R, Enculescu A, Oancea D, Popescu S, Schioiu L, Vasiliu F *Rev Roum Med [Med Intern]* 14: 3-10, Jan-Mar 76 (Eng) DL/76AUG336

## Volk BW

**FINE STRUCTURE OF PANCREAS IN CORTISONE-TREATED GUINEA PIGS AND RABBITS.** Wellmann KF, Volk BW *Arch Pathol Lab Med* 100: 334-8, Jun 76 (Eng) DL/76AUG462

## von Figura K

**METABOLISM OF SULFATED GLYCOSAMINOGLYCANS IN CULTIVATED BOVINE ARTERIAL CELLS. II. QUANTITATIVE STUDIES ON THE UPTAKE OF 35SO4-LABELED PROTEOGLYCANS.** Kresse H, Tekolf W, von Figura K, Buddecke E *Hoppe Seyler's Z Physiol Chem* 356: 943-52, Jun 75 (Eng) \*DL/76AUG696

## von zur Muhlen A

**[SOMATOSTATIN -- A REVIEW (AUTHORS TRANSL)]** Lucke C, Mitkat HJ, von zur Muhlen A *Klin Wochenschr* 54: 293-301, 1 Apr 76 (Ger) DL/76AUG217

## Vranic M

**TURNOVER OF FREE FATTY ACIDS AND TRIGLYCERIDE: AN OVERVIEW.** Vranic M *Fed Proc* 34: 2233-7, Dec 75 (Eng) \*DL/76AUG499

**FATTY ACIDS, NONESTERIFIED (metabolism); HUMAN; LIPOPROTEINS (metabolism); RADIOACTIVE TRACERS; TRIGLYCERIDES (metabolism).**

## Vsetecka A

**[INSULINEMIA IN RENAL GLYCOSURIA]** Polackova H, Kmoch J, Prokes J, Svoboda Z, Vsetecka A *Vnitř Lek* 22: 341-4, Apr 76 (Cze) DL/76AUG363

## Vyden JK

**METABOLIC AND CARDIOVASCULAR ABNORMALITIES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE.** Vyden JK, Thorne J, Nagasawa K, Takano T, Groseth-Dittrich MF, Perlow R, Swan HJ *Am Heart J* 90: 703-8, Dec 75 (Eng) \*DL/76AUG604

**ADULT; AGED; BLOOD SUGAR (metabolism); CHYLOMICRONS (blood); COPPER (blood); ELECTROCARDIOGRAPHY; HEART DISEASES (complications); HUMAN; HYPERLIPIDEMIA (complications); HYPERTENSION (complications); INTERMITTENT CLAUDICATION; LIPOPROTEINS, VLDL (blood); METABOLIC DISEASES (complications); MIDDLE AGE; SMOKING (complications); TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VASCULAR DISEASES (complications).**

## Waddell J

**THE BELOW-THE-KNEE AMPUTATION FOR VASCULAR DISEASE.** Mooney V, Wagner W Jr, Waddell J, Ackerson T *J Bone Joint Surg [Am]* 58: 365-8, Apr 76 (Eng) DL/76AUG136

## Waddington MM

**SEIZURE DISORDERS AS THE SOLE MANIFESTATION OF OCCLUSIVE VASCULAR DISEASE.** PP. 214-24. Waddington MM, R DISEASE. PP. *Ino Austin GM, ed. Microneuro-*

## Diabetes Literature—Author Index

Watanabe AM

surgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m. (Eng) DL/76AUG160

ADOLESCENCE; ADULT; AGE FACTORS; AGED; CEREBROVASCULAR DISORDERS (complications); CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (complications); EPILEPSY (etiology); EPILEPSY (radiography); EPILEPSY, TEMPORAL LOBE (etiology); HUMAN; HYPERTENSION (complications); JACKSONIAN SEIZURE (etiology); MIDDLE AGE; MIGRAINE (complications); MONOGRAPH (mortality).

### Wagle SR

STUDIES ON GLUCONEOGENESIS AND STIMULATION OF GLYCOGEN AND PROTEIN SYNTHESIS IN ISOLATED HEPATOCYTES IN ALLOXAN DIABETIC, NORMAL FED AND FASTED ANIMALS. Wagle SR, Ingebreten WR, Sampson I. *Acta Diabetol Lat* 12: 185-98, May-Aug 75 (Eng) DL/76AUG400

ALLOXAN DIABETES (metabolism); ANIMAL EXPERIMENTS (analysis); FASTING; GLUCONEOGENESIS, IN VITRO; LIVER GLYCOGEN (biosynthesis); LIVER (metabolism); MALE; PROTEINS (biosynthesis); RATS.

### Wagner M

EFFECT OF PARATHYROID HORMONE ON RENAL TUBULAR FLUID AND GLUCOSE REABSORPTION. Baumann K, Chan YL, Bode F, Papavassiliou F, Wagner M. *Curr Probl Clin Biochem* 4: 223-8, 1975 (Eng) \*DL/76AUG488

REABSORPTION OF D-GLUCOSE FROM VARIOUS REGIONS OF THE RAT PROXIMAL CONVOLUTED TUBULE: EVIDENCE THAT THE PROXIMAL CONVOLUTION IS NOT HOMOGENEOUS. Bode F, Chan YL, Goldner AM, Papavassiliou F, Wagner M, Baumann K. *Curr Probl Clin Biochem* 4: 39-43, 1975 (Eng) \*DL/76AUG490

### Wagner W Jr

THE BELOW-THE-KNEE AMPUTATION FOR VASCULAR DISEASE. Mooney V, Wagner W Jr, Waddell J, Ackerson T. *J Bone Joint Surg [Am]* 58: 365-8, Apr 76 (Eng) DL/76AUG136

### Wahren J

SUBSTRATE UTILIZATION BY THE INACTIVE LEG DURING ONE-LEG OR ARM EXERCISE. Ahlborg G, Hagenfeldt L, Wahren J. *J Appl Physiol* 39: 718-23, Nov 75 (Eng) \*DL/76AUG707

### Waid TH

DIRECT NEURAL INHIBITION OF INSULIN SECRETION IN RESPONSE TO SYSTEMIC HYPOGLYCEMIA. Miller RE, Waid TH, Joyce MP. *Am J Physiol* 230: 1090-4, Apr 76 (Eng) DL/76AUG439

### Waldeck N

LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, ATPASE AND ADENYLATE CYCLASE. Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA. *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

### Waldorff S

CONTINUOUS ESTIMATION OF ADIPOSE TISSUE BLOOD FLOW IN RATS BY 133XE ELIMINATION. Madsen J, Malchow-Moller A, Waldorff S. *J Appl Physiol* 39: 851-6, Nov 75 (Eng) \*DL/76AUG709

### Walenga RW

EFFECTIVENESS OF VARIOUS UNSATURATED FATTY ACIDS IN SUPPORTING

GROWTH AND RESPIRATION IN SACCHAROMYCES CEREVISIAE. Walenga RW. *Lands WE J Biol Chem* 250: 9121-9, 10 Dec 75 (Eng) \*DL/76AUG532

CELL DIVISION; FATTY ACIDS, UNSATURATED (metabolism); GLUCOSE (metabolism); MATHEMATICS; OXYGEN CONSUMPTION; PHOSPHOLIPIDS (metabolism); SACCHAROMYCES CEREVISIAE (metabolism); SACCHAROMYCES (growth & development); STRUCTURE-ACTIVITY RELATIONSHIP; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

REQUIREMENTS FOR UNSATURATED FATTY ACIDS FOR THE INDUCTION ON RESPIRATION IN SACCHAROMYCES CEREVISIAE. Walenga RW. *Lands WE J Biol Chem* 250: 9130-6, 10 Dec 75 (Eng) \*DL/76AUG533

CHLORAMPHENICOL (pharmacodynamics); CYCLOHEXIMIDE (pharmacodynamics); CYTOCHROMES (metabolism); ECOSANOIC ACIDS (pharmacodynamics); FATTY ACIDS, UNSATURATED (pharmacodynamics, metabolism); KINETICS; OLEIC ACIDS (metabolism); OXYGEN CONSUMPTION (drug effects); SACCHAROMYCES CEREVISIAE (metabolism, drug effects); STRUCTURE-ACTIVITY RELATIONSHIP; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Walker G

ISLET-CELL, THYROID, AND GASTRIC AUTOANTIBODIES IN DIABETIC IDENTICAL TWINS. Lendrum R, Nelson PG, Pyke DA, Walker G, Gamble DR. *Br Med J* 1: 553-5, 6 Mar 76 (Eng) DL/76AUG13

### Walkley SU

ANIMAL MODELS OF DIABETES AND OBESITY, INCLUDING THE PBB/LD MOUSE. Hunt CE, Lindsey JR, Walkley SU. *Fed Proc* 35: 1206-17, Apr 76 (Eng) DL/76AUG93

### Walsh C

ACTIVE TRANSPORT IN ESCHERICHIA COLI B MEMBRANE VESICLES. DIFFERENTIAL INACTIVATING EFFECTS FROM THE ENZYMIC OXIDATION OF BETA-CHLORO-L-ALANINE AND BETA-CHLORO-D-ALANINE. Kaczorowski G, Shaw L, Laura R, Walsh C. *J Biol Chem* 250: 8921-30, 10 Dec 75 (Eng) \*DL/76AUG530

### Walters P

COUNTERACTION OF GLUCOCORTICOID-INDUCED HYPERGLYCAEMIA BY HYPOGLYCIN. Kean EA, Walters P. *West Indian Med J* 24: 206-9, Dec 75 (Eng) DL/76AUG372

### Wang BA

CLONAL CHARACTERISTICS OF FIBROUS PLAQUES AND FATTY STREAKS FROM HUMAN AORTAS. Pearson TA, Wang BA, Solez K, Heptinstall RH. *Am J Pathol* 81: 379-87, Nov 75 (Eng) \*DL/76AUG880

### Wang P

INACTIVATION OF GLYCOGEN PHOSPHORYLASE OF HUMAN POLYMORPHONUCLEAR LEUKOCYTES. Rorth S, Wang P, Esmann V. *Scand J Clin Lab Invest* 35: 355-61, Jul 75 (Eng) \*DL/76AUG844

### Wangsten OD

A DISTRIBUTED PORE SIZE MODEL FOR CAPILLARIES. Johnson JA, Levitt DG, Wangsten OD, Bloom G. *Microvasc Res* 10: 217-9, Sep 75 (Eng) \*DL/76AUG747

### Wannamaker J

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SIX VARIABLES TO BLOOD PRESSURE: FINDINGS FROM CHICAGO

COMMUNITY SURVEYS, 1965-1971. Stamler J, Stamler R, Rhomberg P, Dyer A, Berkson DM, Reedus W, Wannamaker J. *J Chronic Dis* 28: 499-525, Nov 75 (Eng) \*DL/76AUG542

MULTIVARIATE ANALYSIS OF THE RELATIONSHIP OF SEVEN VARIABLES TO BLOOD PRESSURE: FINDINGS OF THE CHICAGO HEART ASSOCIATION DETECTION PROJECT IN INDUSTRY, 1967-1972. Stamler J, Rhomberg P, Schoenberger JA, Shekelle RB, Dyer A, Shekelle S, Stamler R, Wannamaker J. *J Chronic Dis* 28: 527-48, Nov 75 (Eng) \*DL/76AUG543

### Warbanow W

EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES. Wollenberger A, Shahab IW, Krause EG, Genz S, Warbanow W, Nitschke S. *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

### Ward CW

PROPERTIES AND SPECIFICITY OF A SECOND METAL CHELATOR-SENSITIVE PROTEINASE IN THE KERATINOLYTIC LARVAE OF THE WEBBING CLOTHES MOTH. Ward CW. *Aust J Biol Sci* 28: 439-45, Dec 75 (Eng) DL/76AUG465

ANIMAL EXPERIMENTS (analysis); DRUG STABILITY; EDTA; INSULIN; LARVA (enzymology); LEPIDOPTERA (enzymology); MOTHS (enzymology); PEPTIDE HYDROLASES (antagonists & inhibitors, isolation & purification); PHILIPPINES (physiology).

### Wardle EN

LETTER: ALPHA-2 MACROGLOBULIN AND REDUCED BASEMENT-MEMBRANE DEGRADATION IN DIABETES. Wardle EN. *Lancet* 1: 963-4, 1 May 76 (Eng) DL/76AUG231

ALPHA MACROGLOBULINS (analysis); ARTERITIS (etiology); BASEMENT MEMBRANE (metabolism); DIABETIC ANGIOPATHIES (etiology); HUMAN.

### Wasteson A

SOMATOMEDIN A AND B: DEMONSTRATION OF TWO DIFFERENT SOMATOMEDIN-LIKE COMPONENTS IN HUMAN PLASMA. Wasteson A, Westermark B, Uthne K. *Adv Metab Disord* 8: 101-13, 1975 (Eng) [23] \*DL/76AUG600

BIOLOGICAL ASSAY; CELLS, CULTURED; FIBROBLASTS (metabolism, drug effects); GLYCOSAMINOGLYCANS (biosynthesis); NEUROGLIA (metabolism, drug effects); REVIEW; SOMATOMEDIN (analysis, pharmacodynamics, isolation & purification); SULFATES (metabolism).

### Watanabe AM

THE RELATIONSHIP BETWEEN ADENOSINE 3,5-MONOPHOSPHATE LEVELS AND SYSTOLIC TRANSMEMBRANE CALCIUM FLUX. Watanabe AM, Besch HR Jr. *Recent Adv Stud Cardiac Struct Metab* 5: 95-102, 1975 (Eng) \*DL/76AUG837

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CALCIUM (metabolism); DOSE-RESPONSE RELATIONSHIP, DRUG; GUINEA PIGS; HISTAMINE (pharmacodynamics); IN VITRO; ISOPROTERENOL (pharmacodynamics); ISOPROTERENOL (pharmacodynamics); MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (metabolism); OLABAIN (pharmacodynamics); PAPAVERINE (pharmacodynamics); POTASSIUM (pharmacodynamics); PROPRANOLOL

## Diabetes Literature—Author Index

### Watanabe K

(pharmacodynamics); THEOPHYLLINE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Watanabe K

[PROPRANOLOL-GLUCAGON LOADING TEST] Okada Y, Watanabe K, Hata T, Kumahara Y *Jpn J Clin Med* 34: 410-3, 10 Feb 76 (Jpn) DL/76AUG211

### Waterman RA

EFFECTS OF DIETARY CARBOHYDRATE SOURCE ON GROWTH, PLASMA METABOLITES AND LIPOGENESIS IN RATS, PIGS, AND CHICKS. Waterman RA, Romsos DR, Tsai AC, Miller ER, Leveille GA *Proc Soc Exp Biol Med* 150: 220-5, Oct 75 (Eng) \*DL/76AUG779

ADIPOSE TISSUE (drug effects, metabolism); ANIMAL; BLOOD SUGAR (analysis); BODY WEIGHT (drug effects); CHICKENS; CHOLESTEROL (blood); DIETARY CARBOHYDRATES; FATTY ACIDS, NONESTERIFIED (blood); FRUCTOSE (pharmacodynamics, blood); GLUCOSE (pharmacodynamics); GROWTH; LIPIDS (biosynthesis, blood); LIVER (metabolism, drug effects); MALE; ORGAN SPECIFICITY; RATS; SPECIES SPECIFICITY; SUCROSE (pharmacodynamics); SWINE; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Watkins PJ

LETTER: AUTONOMIC DYSFUNCTION IN DIABETIC KETOACIDOSIS. Page M, Watkins PJ *Lancet* 1: 963, 1 May 76 (Eng) DL/76AUG230

### Watson JS

FACTORS INFLUENCING EVAPORATION FROM SAMPLE CUPS AND ASSESSMENT OF THEIR EFFECT ON ANALYTICAL ERROR. Burtis CA, Begovich JM, Watson JS *Clin Chem* 21: 1907-17, Dec 75 (Eng) \*DL/76AUG479

### Wazowska-Czyzewska M

ENZYMATIC PATTERN OF GLUCOSE METABOLIC PATHWAYS IN PYRUVATE KINASE-DEFICIENT ERYTHROCYTES. Guminska M, Wazowska-Czyzewska M *Clin Chim Acta* 64: 165-72, 15 Oct 75 (Eng) \*DL/76AUG663

### Webb SR

SUSCEPTIBILITY OF MICE TO GROUP B COXSACKIE VIRUS IS INFLUENCED BY THE DIABETIC GENE. Webb SR, Loria RM, Madge GE, Kibrick S *J Exp Med* 143: 1239-48, 1 May 76 (Eng) DL/76AUG191

ANIMAL EXPERIMENTS (analysis); COXSACKIE VIRUS INFECTIONS (familial & genetic, pathology); COXSACKIE VIRUSES (growth & development); DIABETES MELLITUS (familial & genetic, microbiology); GENES, STRUCTURAL; HETEROZYGOTE; HOMOZYGOTE; ISLANDS OF LANGERHANS (pathology); MICE; MICE, INBRED C57BL; PANCREAS (pathology); TIME FACTORS.

### Weber B

[LONG-TERM CARE OF DIABETIC CHILDREN] Weber B *Monatsschr Kinderheilkd* 124: 185-8, Apr 76 (Ger) DL/76AUG255

ADOLESCENCE; AMBULATORY CARE; BODY WEIGHT; CHILD; DIABETES MELLITUS, JUVENILE (diagnosis, therapy); FEMALE; GROWTH; HUMAN; MENARCHE.

### Webster MW

THE USE OF EXPANDED MICROPOROUS POLYTETRAFLUOROETHYLENE FOR LIMB SALVAGE: A PRELIMINARY REPORT. Campbell CD, Brooks DH, Webster MW, Bahnsen HT *Surgery* 79: 485-91, May 76 (Eng) DL/76AUG347

### Wechsler B

[LETTER: HYPOGLYCEMIA DURING BETA BLOCKING TREATMENT] Certin M, Wechsler B, Blety O, Godeau P *Nouv Presse Med* 5: 862, 27 Mar 76 (Fre) DL/76AUG296

### Wedler B

[TREATMENT OF HYPERTONUS IN DIABETES MELLITUS] Wedler B, Wustenberg PW, Naudmann G *Z Gesamte Inn Med* 30: 437-42, 1 Jul 75 (Ger) DL/76AUG380

ADRENERGIC BETA RECEPTOR BLOCKADERS (therapeutic use); ANTIHYPERTENSIVE AGENTS (therapeutic use); DIABETES MELLITUS (chemically induced, complications); ENGLISH ABSTRACT; ETHACRYNIC ACID (therapeutic use); FUROSEMIDE (therapeutic use); GUANETHIDINE (therapeutic use); HUMAN; HYPERTENSION (diet therapy, etiology, therapy); METHYLDOPA (therapeutic use); SPIRONOLACTONE (therapeutic use); THIAZINES (adverse effects, therapeutic use).

### Weglicki WB

HYDROLYSIS OF MYOCARDIAL LIPIDS DURING ACIDOSIS AND ISCHEMIA. Weglicki WB, Owens K, Urschel CW, Serur JR, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 3: 781-93, 1973 (Eng) \*DL/76AUG813

ACIDOSIS (metabolism); ANIMAL EXPERIMENTS; CORONARY CIRCULATION; DOGS; FATTY ACIDS, NONESTERIFIED (metabolism); IN VITRO; ISCHEMIA (metabolism); LIPASE (metabolism); LIPIDS (metabolism); MYOCARDIUM (metabolism, enzymology); PHILIPPINES; PHOSPHOLIPIDS (metabolism); RATS; TRIGLYCERIDES (metabolism).

FRAGMENTED SARCOPLASMIC RETICULUM OF THE CARDIOMYOPATHIC SYRIAN HAMSTER: LIPID COMPOSITION, CA& TRANSPORT, AND CA&-STIMULATED ATPASE. Owens K, Ruth RC, Weglicki WB, Stam AC, Sonnenblick EH *Recent Adv Stud Cardiac Struct Metab* 4: 541-50, 1974 (Eng) \*DL/76AUG823

### Wehrli E

YEAST PLASMA MEMBRANE VESICLES SUITABLE FOR TRANSPORT STUDIES. Wehrli E, Boehm C, Fuhrmann GF *J Bacteriol* 124: 1594-7, Dec 75 (Eng) \*DL/76AUG525

BIOLOGICAL TRANSPORT; CARBOHYDRATES (analysis); CELL MEMBRANE PERMEABILITY; CELL MEMBRANE (metabolism, ultrastructure, analysis); GLUCOSE (metabolism); GLYCOLIPIDS (analysis); GLYCOPROTEINS (analysis); MANNANS (analysis); POTASSIUM (metabolism); SUBCELLULAR FRACTIONS (metabolism); YEASTS (metabolism, ultrastructure, analysis).

### Weigand DA

THE EFFECT OF DIABETES, INSULIN, AND THE REDOX POTENTIAL ON LEUCINE METABOLISM BY ISOLATED RAT HEMI-DIAPHRAGM. Buse MG, Herlong HF, Weigand DA *Endocrinology* 98: 1166-75, May 76 (Eng) DL/76AUG74

### Weightman DR

BROMOCRIPTINE THERAPY IN ACROMEGALY. Sachdev Y, Gomez-Pan A, Tunbridge WM, Duns A, Weightman DR, Hall R, Goolamali SK *Lancet* 2: 1164-8, 13 Dec 75 (Eng) \*DL/76AUG569

### Weik H

[EFFECT OF ALANINE ON ACETONEMIA IN COWS AND ON PHLORHIZIN-INDUCED ACETONEMIA IN SHEEP] Weik H, Zander HD *Zentralbl Veterinärmed [A]* 22: 520-3, Aug 75 (Ger) \*DL/76AUG869

ACIDOSIS (veterinary, drug therapy, chemically induced); ALANINE (therapeutic use); ANIMAL; CATTLE DISEASES (drug therapy); CATTLE; ENGLISH ABSTRACT; FEMALE; PHLORHIZIN; SHEEP.

### Weisfeldt ML

EFFECT OF MANNITOL ON MITOCHONDRIAL MORPHOLOGY IN HYPOXIC MYOCARDIUM. Caulfield JB, Willerson JT, Weisfeldt ML, Powell WJ Jr *Recent Adv Stud Cardiac Struct Metab* 3: 753-62, 1973 (Eng) \*DL/76AUG811

### Weisweiler P

[TREATMENT OF PRIMARY HYPERLIPOPROTEINEMIA TYPE IV WITH DIFFERENT BIGUANIDES (AUTHORS TRANSL.)] Weisweiler P, Schwandt P *Klin Wochenschr* 54: 283-5, 15 Mar 76 (Ger) DL/76AUG216

BIGUANIDES (therapeutic use); BUFORMIN (therapeutic use); CHOLESTEROL (blood); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERLIPOEMIA (drug therapy); LIPOPROTEINS, VLDL (blood); MALE; METFORMIN (therapeutic use); MIDDLE AGE; PHENFORMIN (therapeutic use); TRIGLYCERIDES (blood).

[EFFECT OF CLOFIBRATE ON GLUCOSE TOLERANCE AND INSULIN SECRETION IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA (AUTHORS TRANSL.)] Schwandt P, Weisweiler P, Neureuther G, Wilkening J *Munch Med Wochenschr* 118: 351-4, 19 Mar 76 (Ger) DL/76AUG257

### Wellmann KF

FINE STRUCTURE OF PANCREAS IN CORTISONE-TREATED GUINEA PIGS AND RABBITS. Wellmann KF, Volk BW *Arch Pathol Lab Med* 100: 334-8, Jun 76 (Eng) DL/76AUG462

ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (analysis); CORTISONE (administration & dosage, pharmacodynamics); GUINEA PIGS; INJECTIONS, INTRAMUSCULAR; INSULIN (analysis); MALE; PANCREAS (analysis, ultrastructure); RABBITS.

### Welty JD

PROTEIN AND FREE AMINO ACID METABOLISM IN THE FAILING CANINE HEART. Peterson MB, Mead RJ, Welty JD *Recent Adv Stud Cardiac Struct Metab* 3: 615-23, 1973 (Eng) \*DL/76AUG809

### Werner M

NORMAL VALUES: THEORETICAL AND PRACTICAL ASPECTS. Werner M, Marsh WL *CRC Crit Rev Clin Lab Sci* 6: 81-100, Sep 75 (Eng) [62] \*DL/76AUG667

ADULT; AGE FACTORS; AGED; ALKALINE PHOSPHATASE (blood, urine); BILIRUBIN (blood); BLOOD SUGAR; CHILD; CHILD, PRESCHOOL; CHOLESTEROL (blood); CIRCADIAN RHYTHM; CONTRACEPTIVES, ORAL (pharmacodynamics); DIAGNOSIS, LABORATORY; EATING; EXERTION; FEMALE; HUMAN; INFANT; LACTATE DEHYDROGENASE (blood); MALE; MIDDLE AGE; PHOSPHORUS (blood); PROBABILITY; REVIEW; SERUM ALBUMIN; SEX FACTORS; STATISTICS.

### Weser E

THE METABOLISM OF INFUSED MALTOSE AND OTHER SUGARS. PP. 73-99. Young EA, Weser E In: Jeanes A, Hodge J, ed. *Physiological effects of food carbohydrates*. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [88] DL/76AUG176

### West TE

A GUIDE FOR PATIENTS: THE CARE OF DIABETES DURING ILLNESS. West TE *Nurs Mirror* 142: 53-4, 22 Apr 76 (Eng) DL/76AUG301



# Diabetes Literature—Author Index

Wilson RF

DIABETES MELLITUS (therapy); HUMAN; PATIENTS (education).

## Westermarck B

SOMATOMEDIN A AND B: DEMONSTRATION OF TWO DIFFERENT SOMATOMEDIN-LIKE COMPONENTS IN HUMAN PLASMA. Wasteson A, Westermarck B, Uthne K *Adv Metab Disord* 8: 101-13, 1975 (Eng) [23] \*DL/76AUG600

## Westman J

SURVIVAL OF ISOLATED HUMAN ISLETS OF LANGERHANS MAINTAINED IN TISSUE CULTURE. Andersson A, Borg H, Groth CG, Gunnarsson R, Hellerstrom C, Lundgren G, Westman J, Ostman J *J Clin Invest* 57: 1295-301, May 76 (Eng) DL/76AUG151

## Whereat AF

REGULATION OF RATE OF LACTATE OXIDATION BY THE HEART. Whereat AF, Orishimo MW *Recent Adv Stud Cardiac Struct Metab* 3: 31-38, 1973 (Eng) \*DL/76AUG798

ANIMAL; LACTATE DEHYDROGENASE (metabolism); LACTATES (metabolism); MALATES (metabolism); MITOCHONDRIA, MUSCLE (metabolism, enzymology); MYOCARDIUM (metabolism, ultrastructure, enzymology); NAD (metabolism); OXYGEN CONSUMPTION; PHILIPPINES; PYRUVATES (metabolism); RABBITS.

## White P

DIABETES MELLITUS IN PREGNANCY. White P *Clin Perinatol* 1: 331-47, Sep 74 (Eng) [38] DL/76AUG47

DELIVERY; DIABETES MELLITUS (classification, familial & genetic, physiopathology, therapy); DIABETIC ANGIOPATHIES (complications); DIABETIC NEUROPATHIES (complications); DIABETIC RETINOPATHY (complications); FEMALE; HUMAN; INFANT CARE; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (pathology); LABOR; PREGNANCY IN DIABETES; PREGNANCY IN DIABETES (classification, complications, therapy); PREGNANCY TRIMESTER, FIRST; PREGNANCY TRIMESTER, SECOND; PREGNANCY TRIMESTER, THIRD; PREGNANCY; REVIEW.

## Wicklmayer M

PHYSIOLOGY OF METABOLISM DURING STARVATION. PP. 17-30. Dietze G, Wicklmayer M, Mehnert H *In: Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143* 1974. (Eng) [16] DL/76AUG157

## Wieland RG

METABOLISM OF DOG GASTRIC MUCOSA. NUCLEOTIDE LEVELS IN PARIENTAL CELLS. Sarau HM, Foley J, Moonsammy G, Wieland RG *J Biol Chem* 250: 8321-9, 10 Nov 75 (Eng) \*DL/76AUG527

## Wieland RG

CERTAIN METABOLIC CONSEQUENCES OF JEJUNOILEAL BYPASS. Bendezu R, Wieland RG, Green SG, Hallberg MC, Marsters RW *Am J Clin Nutr* 29: 366-70, Apr 76 (Eng) DL/76AUG426

## Wieringa RA

INITIAL EVENTS IN RADIATION-INDUCED ATHEROMATOSIS I. ACTIVATION OF LYSOSOMAL ENZYMES. Konings AW, Hardonk MJ, Wieringa RA, Lamberts HB *Strahlentherapie* 150: 444-8, Oct 75 (Eng) \*DL/76AUG856

## Wiesmann WP

INSULIN STIMULATES ACTIVE SODIUM TRANSPORT IN TOAD BLADDER BY TWO MECHANISMS. Wiesmann WP, Sinha S, Klahr

S *Nature* 260: 546-7, 8 Apr 76 (Eng) DL/76AUG272

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS (analysis); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); BLADDER (metabolism); DACTINOMYCIN (pharmacodynamics); DRUG SYNERGISM; IN VITRO; INSULIN (pharmacodynamics); PROTEINS (biosynthesis); SODIUM (metabolism); STIMULATION, CHEMICAL; TOADS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VASOPRESSIN (pharmacodynamics).

## Wiklund L

LETTER: POSTOPERATIVE FEEDING AND METABOLISM. Wiklund L, Jorfeldt I *Lancet* 2: 770, 18 Oct 75 (Eng) \*DL/76AUG742

AMINO ACIDS (administration & dosage); ENERGY METABOLISM; GLUCOSE (metabolism); HUMAN; NUTRITION; NUTRITIONAL REQUIREMENTS; PAIN, POSTOPERATIVE (metabolism); POSTOPERATIVE CARE; SURGERY, OPERATIVE.

## Wilkening J

EFFECT OF CLOFIBRATE ON GLUCOSE TOLERANCE AND INSULIN SECRETION IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA (AUTHORS TRANSL.) Schwandt P, Weisweiler P, Neureuther G, Wilkening J *Munch Med Wochenschr* 118: 351-4, 19 Mar 76 (Ger) DL/76AUG257

## Wilkerson JE

ACUTE BLOOD BIOCHEMICAL ALTERATIONS IN RESPONSE TO MARATHON RUNNING. Maron MB, Horvath SM, Wilkerson JE *Eur J Appl Physiol* 34: 173-81, 15 Aug 75 (Eng) \*DL/76AUG672

## Wilkerson RD

ROLE OF CYCLIC GMP AS A MEDIATOR OF THE NEGATIVE INOTROPIC EFFECT OF ACETYLCHOLINE IN THE PERFUSED RAT HEART. George WJ, Kadowitz PJ, Wilkerson RD *Recent Adv Stud Cardiac Struct Metab* 3: 331-9, 1973 (Eng) \*DL/76AUG799

## Will H

ADENOSINE 3,5-MONOPHOSPHATE, THE MYOCARDIAL CELL MEMBRANE, AND CALCIUM. Wollenberger A, Will H, Krause EG, Wollenberger A, Will H, Krause EG *Recent Adv Stud Cardiac Struct Metab* 5: 81-93, 1975 (Eng) [35] \*DL/76AUG836

## Willerson JT

EFFECT OF MANNITOL ON MITOCHONDRIAL MORPHOLOGY IN HYPOXIC MYOCARDIUM. Caulfield JB, Willerson JT, Weisfeldt ML, Powell WJ Jr *Recent Adv Stud Cardiac Struct Metab* 3: 753-62, 1973 (Eng) \*DL/76AUG811

## Williams EC 3d

EVALUATION OF PEROXYOXALATE CHEMILUMINESCENCE FOR DETERMINATION OF ENZYME GENERATED PEROXIDE. Williams DC 3d, Huff GF, Seitz WR *Anal Chem* 48: 1003-6, Jun 76 (Eng) DL/76AUG447

EVALUATION STUDIES; GLUCOSE OXIDASE; GLYCOSURIA (diagnosis); HYDROGEN PEROXIDE (analysis); INDICATORS AND REAGENTS; LUMINESCENCE; OXALATES; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.).

## Williams MA

LIVER PLASMA MEMBRANES FROM ESSENTIAL FATTY ACID-DEFICIENT RATS. ISOLATION, FATTY ACID COMPOSITION, AND ACTIVITIES OF 5-NUCLEOTIDASE, AT-

PASE AND ADENYLATE CYCLASE. Brivio-Haugland RP, Louis SL, Musch K, Waldeck N, Williams MA *Biochim Biophys Acta* 433: 150-63, 16 Apr 76 (Eng) DL/76AUG3

OSCILLATORY STATES OF MITOCHONDRIA. INFLUENCE OF UNSATURATED FATTY ACID COMPOSITION. Williams MA, Katayre S, Packer L *Arch Biochem Biophys* 170: 353-9, Oct 75 (Eng) \*DL/76AUG895

ANIMAL; DIETARY FATS; FATTY ACIDS (metabolism); FATTY ACIDS, ESSENTIAL (pharmacodynamics); FATTY ACIDS, UNSATURATED (pharmacodynamics); MALE; MITOCHONDRIA, LIVER (metabolism, drug effects); PHOSPHOLIPIDS (metabolism); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

## Williams PA

QUANTITATIVE ASPECTS OF THE REGULATION OF CELLULAR CYCLIC AMP LEVELS. I. STRUCTURE AND KINETICS OF A MODEL SYSTEM. Davies JI, Williams PA *J Theor Biol* 53: 1-30, Sep 75 (Eng) \*DL/76AUG562

## Williams RH

THE EFFECT ON GASTRIN SECRETION OF AGENTS WHICH INCREASE THE INTRACELLULAR CONCENTRATION OF 3,5-ADENOSINE MONOPHOSPHATE. Hayes JR, Williams RH *Endocrinology* 97: 1210-4, Nov 75 (Eng) \*DL/76AUG671

## Williams RL

GROWTH HORMONE LEVELS DURING MORNING AND AFTERNOON NAPS. Karacan I, Rosenbloom AL, Londono JH, Williams RL, Salis PJ *Behav Neuropsychiatry* 6: 67-70, Apr 74-Mar 75 (Eng) \*DL/76AUG908

## Williams S

GLUCAGON AND BARIUM ENEMA EXAMINATIONS: A CONTROLLED CLINICAL TRIAL. Harned RK, Stelling CB, Williams S, Wolf GL *Am J Roentgenol* 126: 981-4, May 76 (Eng) DL/76AUG442

## Williams VJ

EFFECTS OF INSULIN HYPOGLYCAEMIA IN THE SHEEP ON JUGULAR HAEMATOCRIT AND PLASMA CORTICOSTEROID CONCENTRATIONS. Dooley PC, Williams VJ *Aust J Biol Sci* 28: 503-9, Dec 75 (Eng) DL/76AUG466

## Williamson DG

THE TRANSFER OF GLUCOSE TO STEROIDS BY CHIMPANZEE LIVER MICROSOMES. Labow RS, Williamson DG, Layne DS, Collins DC *Can J Biochem* 53: 1028-30, Sep 75 (Eng) \*DL/76AUG652

## Wilson FA

THIAMINE TRANSPORT ACROSS THE RAT INTESTINE. II. EFFECT OF ETHANOL. Hoyumpa AM Jr, Breen KJ, Schenker S, Wilson FA *J Lab Clin Med* 86: 803-16, Nov 75 (Eng) \*DL/76AUG721

## Wilson RF

ENDOCRINE CHANGES IN SEPSIS. Wilson RF *Heart Lung* 5: 411-5, May-Jun 76 (Eng) DL/76AUG131

ADRENAL CORTEX (secretion); ADRENAL MEDULLA (secretion); CORTICOTROPIN (secretion); ENDOCRINE GLANDS (physiopathology); GLUCAGON (secretion); HUMAN; INSULIN (secretion); PANCREAS (secretion); PITUITARY GLAND (secretion); SEPTICEMIA (physiopathology); SOMATOTROPIN (secretion); THYROID GLAND (secretion); THYROTROPIN (secretion); THYROXINE (secretion).

## Wilson RF

### Wilson WH

ELEVATED BLOOD GLUCOSE LEVELS AND SATIETY IN THE RAT. Wilson WH, Heller HC *Physiol Behav* 15: 137-43, Aug 75 (Eng) \*DL/76AUG784

ANIMAL; BLOOD SUGAR (metabolism); EATING; FEEDBACK; GLUCOSE (administration & dosage, pharmacodynamics); INJECTIONS, INTRAPERITONEAL; MALE; MANNITOL (administration & dosage, pharmacodynamics); RATS; SATIATION (drug effects); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

### Wilton DC

THE MECHANISM OF C-4 DEMETHYLATION DURING CHOLESTEROL BIOSYNTHESIS. Wilton DC, Akhtar M *Biochem J* 149: 233-5, Jul 75 (Eng) \*DL/76AUG913

ANIMAL; CHOLESTEROL (biosynthesis); DEALKYLATION; DECARBOXYLATION; MALE; MICROSOMES, LIVER (metabolism); NAD; NADP; RATS; SCHIFF BASES.

### Winder AF

CATARACTS IN EARLY LIFE: BIOCHEMISTRY. Winder AF *Proc R Soc Med* 69: 270-2, Apr 76 (Eng) DL/76AUG319

CATARACT (etiology, metabolism); DIABETES MELLITUS (complications, metabolism); GALACTOSE (metabolism); GLUCOSE (metabolism); HYPOCALCEMIA (complications); METABOLISM, INBORN ERRORS (complications).

### Wingfield BS

GLUCOCORTICOID THERAPY IN CHILDREN. EFFECT ON SOMATOMEDIN SECRETION. Elders MJ, Wingfield BS, McNatt ML, Clarke JS, Hughes FR *Am J Dis Child* 129: 1393-6, Dec 75 (Eng) \*DL/76AUG606

### Winston B

ALLOXAN-INDUCED DIABETES-EVIDENCE FOR HYDROXYL RADICAL AS A CYTOTOXIC INTERMEDIATE. Heikkilä RE, Winston B, Cohen G *Biochem Pharmacol* 25: 1085-92, 1 May 76 (Eng) \*DL/76AUG470

### Wishinsky H

THE DEVELOPMENT OF SIMPLIFIED TESTS. PP. 425-40. Wishinsky H *Int Andro G, et al., ed. Quality control in clinical chemistry. Berlin, de Gruyter, 1975. W3 IN922PE* 1975q. (Eng) DL/76AUG159

ACETOACETATES (urine); ASCORBIC ACID (urine); BUFFERS; CHEMISTRY, CLINICAL (methods); COLOR; ENZYMES; GLYCOSURIA (diagnosis); HUMAN; INDICATORS AND REAGENTS; MONOGRAPH (mortality); PHILIPPINES (physiology); QUALITY CONTROL; REAGENT STRIPS; SPECIFIC GRAVITY; TEMPERATURE; TIME FACTORS; URIC ACID (urine); URINE (analysis).

### Witkin AP

THE ASSESSMENT OF NOCTURNAL REM ERECTION IN THE DIFFERENTIAL DIAGNOSIS OF SEXUAL IMPOTENCE. Fisher C, Schiavi P, Lear H, Edwards A, Davis DM, Witkin AP *J Sex Marital Ther* 1: 277-89, Summer 75 (Eng) DL/76AUG203

### Witorsch RJ

PLASMA CORTICOSTERONE AND CARDIAC GLYCOGEN LEVELS IN RATS AFTER EXERCISE. Poland JL, Myers DT, Witorsch RJ, Brandt RB *Proc Soc Exp Biol Med* 150: 148-50, Oct 75 (Eng) \*DL/76AUG778

### Wittke B

INTERACTION OF STEROIDS WITH THE TRANSPORT SYSTEM OF GLUCOSE IN HUMAN ERYTHROCYTES. Lacko L, Wittke B, Geck P *J Cell Physiol* 86 suppl 2: 673-80, Dec 75 (Eng) \*DL/76AUG540

## Diabetes Literature—Author Index

### Wittman JS 3d

ALTERATION OF GLUCOSE TOLERANCE BY DIETARY L-TRYPTOPHAN IN RATS. Wittman JS 3d *J Nutr* 106: 631-5, May 76 (Eng) DL/76AUG199

ANIMAL EXPERIMENTS (analysis); CARBOHYDRATES (metabolism); DEFICIENCY DISEASES (drug therapy, metabolism); DIETARY PROTEINS; DOSE-RESPONSE RELATIONSHIP, DRUG; FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); NICOTINIC ACIDS (pharmacodynamics); PYRIDOXINE (pharmacodynamics); RATS; TRYPTOPHAN (deficiency, pharmacodynamics, therapeutic use).

### Wittmers LE Jr

ESTIMATION OF THE CAPILLARY PERMEABILITY COEFFICIENTS OF INULIN IN VARIOUS TISSUES OF THE RABBIT. Wittmers LE Jr, Bartlett M, Johnson JA *Microvasc Res* 11: 67-78, Jan 76 (Eng) DL/76AUG248

ANIMAL EXPERIMENTS (analysis); CAPILLARY PERMEABILITY; DIAPHRAGM (metabolism); EAR, EXTERNAL (metabolism); FEMALE; HALF-LIFE; INFUSIONS, PARENTERAL; INSULIN (metabolism); INTESTINE, SMALL (metabolism); INULIN (blood); LUNG (metabolism); MALE; MODELS, BIOLOGICAL; MUSCLES (metabolism); MYOCARDIUM (metabolism); RABBITS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ).

### Wixom RL

SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN—A REVIEW. Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237

ADULT; AMINO ACIDS (administration & dosage); AMINO ACIDS, ESSENTIAL (deficiency); BLOOD SUGAR; EMULSIONS; FATTY ACIDS (blood); FATTY ACIDS, ESSENTIAL (deficiency); GLUCOSE (administration & dosage); HEPATIC ARTERY; HISTIDINE (deficiency); HISTORICAL ARTICLE; HISTORY OF MEDICINE, 17TH CENT.; HISTORY OF MEDICINE, 20TH CENT.; HUMAN; HYDROCORTISONE (blood); INFANT; INSULIN (blood); LIPIDS (administration & dosage, blood); MALE; NUTRITION; PARENTERAL FEEDING (history); REVIEW; RISK; UNITED STATES GOVERNMENT SUPPORTED, N.I.H. ); VENA CAVA, SUPERIOR.

### Wojtasik W

[HYPEROSMOTIC DIABETIC COMA FOLLOWING MYOCARDIAL INFARCTION] Wojtasik W *Wiad Lek* 29: 621-3, 1 Apr 76 (Pol) DL/76AUG374

ADULT; CASE REPORT; DIABETIC COMA (etiology); ENGLISH ABSTRACT; HUMAN; MALE; MYOCARDIAL INFARCT (complications).

### Woff GL

GLUCAGON AND BARIUM ENEMA EXAMINATIONS: A CONTROLLED CLINICAL TRIAL. Harned RK, Stelling CB, Williams S, Woff GL *Am J Roentgenol* 126: 981-4, May 76 (Eng) DL/76AUG442

### Wolfson SK Jr

BIOCHEMICAL VALUES IN THE NORMAL AND HYPOTHYROID BARBOOM PAPIO CYNOCEPHALUS/ANUBIS. Phillips CF, Nicolalde AA, Wolfson SK Jr *J Med Primatol* 4: 308-19, 1975 (Eng) \*DL/76AUG728

### Wollenberger A

RIBONUCLEIC ACID AND PROTEIN SYNTHESIS IN RAT HEART MITOCHONDRIA ISO-

LATED AFTER AORTIC CONSTRICTION, STRENUOUS PHYSICAL EXERCISE, TOTAL MYOCARDIAL ISCHEMIA, AND THEOPHYLLINE TREATMENT. Wollenberger A, Kleitke B *Recent Adv Stud Cardiac Struct Metab* 3: 535-50, 1973 (Eng) \*DL/76AUG804

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; CELL NUCLEUS (enzymology); CELL-FREE SYSTEM; CHLORAMPHENICOL (pharmacodynamics); CORONARY CIRCULATION; EXERTION; HEART ENLARGEMENT (metabolism); ISCHEMIA (metabolism); MALE; MITOCHONDRIA, MUSCLE (metabolism, drug effects, ultrastructure); MUSCLE PROTEINS (biosynthesis); MYOCARDIUM (ultrastructure); RATS; RIFAMPIN (pharmacodynamics); RNA POLYMERASE (metabolism); RNA (biosynthesis, metabolism); THEOPHYLLINE (pharmacodynamics).

EFFECT OF ACUTE ISCHEMIA ON MYOCARDIAL CYCLIC AMP, PHOSPHORYLASE A, AND LACTATE LEVELS IN VARIOUS FORMS OF CARDIAC HYPERTROPHY. CORRELATION WITH CARDIAC NOREPINEPHRINE STORES. Wollenberger A, Shahab LW, Krause EG, Genz S, Warbanow W, Nitschkoff S *Recent Adv Stud Cardiac Struct Metab* 3: 551-9, 1973 (Eng) \*DL/76AUG805

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; CORONARY CIRCULATION; GLYCOGEN PHOSPHORYLASE (metabolism); HEART ENLARGEMENT (metabolism, etiology); HYPERTENSION, RENAL (complications); ISCHEMIA (metabolism); LACTATES (metabolism); MALE; MYOCARDIUM (metabolism, enzymology); NOREPINEPHRINE (metabolism); RATS; SWIMMING.

ADENOSINE 3,5-MONOPHOSPHATE, THE MYOCARDIAL CELL MEMBRANE, AND CALCIUM. Wollenberger A, Will H, Krause EG, Wollenberger A, Will H, Krause EG *Recent Adv Stud Cardiac Struct Metab* 5: 81-93, 1975 (Eng) [35] \*DL/76AUG836

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; BINDING SITES; CALCIUM (metabolism); CATECHOLAMINES (pharmacodynamics); CELL MEMBRANE (metabolism); HEART (drug effects); MODELS, BIOLOGICAL; MUSCLE PROTEINS (metabolism); MYOCARDIUM (metabolism, enzymology, ultrastructure); PHOSPHATES (metabolism); PROTEIN KINASE (metabolism); REVIEW; SARCOPLASMIC RETICULUM (metabolism); SWINE.

### Wood HG

ISOLATION AND CHARACTERIZATION OF A PYROPHOSPHATE-DEPENDENT FROM PROPIONIBACTERIUM M. SHERMAN. O'Brien WE, Bowien S, Wood HG *J Biol Chem* 250: 8690-5, 25 Nov 75 (Eng) \*DL/76AUG716

### Woods HF

LETTER: AGE-DEPENDENT SENSITIVITY TO SALICYLATE. Stubbs WA, Alberti KG, Woods HF, Teddy PJ *Lancet* 2: 1216, 13 Dec 75 (Eng) \*DL/76AUG571

### Worathumrong N

THE EFFECT OF O-SALICYLATE UPON PENTOSE PHOSPHATE PATHWAY ACTIVITY IN NORMAL AND G6PD-DEFICIENT RED CELLS. Worathumrong N, Grimes AJ *Br J Haematol* 30: 225-31, Jun 75 (Eng) \*DL/76AUG471

BLOOD SUGAR (metabolism); ERYTHROCYTES (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE DEFICIENCY (blood); HUMAN; METHYLENE BLUE; PENTOSEPHOSPHATES (metabolism, blood, antagonists & inhibitors); PHILIPPINES; SODIUM SALICYLATE (metabolism, pharmacodynamics).

**ANAEROBIC GLYCOLYSIS IN NORMAL HUMAN ERYTHROCYTES INCUBATED IN VITRO WITH SODIUM SALICYLATE.** Worathumrong N, Grimes AJ *Clin Sci Mol Med* 49: 375-84, Nov 75 (Eng) \*DL/76AUG482

ADENOSINE DIPHOSPHATE (blood); ADENOSINE MONOPHOSPHATE (blood); ADENOSINE TRIPHOSPHATE (blood); BLOOD SUGAR; DOSE-RESPONSE RELATIONSHIP, DRUG; ERYTHROCYTES (metabolism, drug effects); GLYCOLYSIS (drug effects); HEMATOCRIT; HUMAN; IN VITRO; LACTATES (biosynthesis); PHILIPPINES; PHOSPHATES, INORGANIC (blood); POTASSIUM (blood); PYRUVATES (blood); SODIUM SALICYLATE (pharmacodynamics); SODIUM (blood).

# Worcester NA

**THE EFFECT OF DIETARY SUCROSE AND DIFFERENT DIETARY FATS ON HYPERLIPIDAEMIA AND ATHEROSCLEROSIS IN WHITE LEGHORN COCKERELS (GALLUS DOMESTICUS).** Worcester NA, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 82a-83a, Sep 75 (Eng) \*DL/76AUG773

ANIMAL; AORTIC DISEASES (etiology); ARTERIOSCLEROSIS (etiology); ATHEROSCLEROSIS (etiology); CHICKENS; CHOLESTEROL (blood); DIET, ATHEROGENIC; DIETARY CARBOHYDRATES; DIETARY FATS; HYPERLIPIDEMIA (etiology); MALE; OILS (pharmacodynamics); STARCH (pharmacodynamics); SUCROSE (pharmacodynamics); TRIGLYCERIDES (blood).

# Westmann BS

**GLUCOSE TOLERANCE, INSULIN AND CATECHOLAMINE LEVELS IN GERM-FREE RATS.** Sewell DL, Bruckner-Kardoss E, Lorenz LM, Westmann BS *Proc Soc Exp Biol Med* 152: 16-9, May 76 (Eng) DL/76AUG322

# Wustenberg PW

**[TREATMENT OF HYPERTONUS IN DIABETES MELLITUS]** Wedler B, Wustenberg PW, Naumann G *Z Gesamte Inn Med* 30: 437-42, 1 Jul 75 (Ger) DL/76AUG380

# Wuytack F

**STIMULATION OF 45CA EFFLUX FROM SMOOTH MUSCLE CELLS BY METABOLIC INHIBITION AND HIGH K DEPOLARIZATION.** Van Breenen C, Wuytack F, Casteels R, Martinelli B, Campailla E, Ferrari G *Pfluegers Arch* 359: 183-96, 9 Sep 75 (Eng) \*DL/76AUG758

# Wynder EL

**DIETARY REGULATION OF SERUM LIPIDS IN HEALTHY, YOUNG ADULTS.** Hill P, Wynder EL *J Am Diet Assoc* 68: 25-30, Jan 76 (Eng) \*DL/76AUG545

# Yajima H

**STUDIES ON PEPTIDES. I. APPLICATION OF THE TRIFLUOROMETHANESULFONIC ACID PROCEDURE TO THE SYNTHESIS OF A PEPTIDE WITH SOMATOSTATIN ACTIVITY.** Fujii N, Yajima H *Chem Pharm Bull (Tokyo)* 23: 1596-603, Jul 75 (Eng) \*DL/76AUG655

# Yalow RS

**RADIOIMMUNOASSAY OF SOMATOMEDIN B.** Yalow RS, Hall K, Luft R *Adv Metab Disord* 8: 73-87, 1975 (Eng) \*DL/76AUG603

ACROMEGALY (blood); ANIMAL EXPERIMENTS; HUMAN; MICROCHEMISTRY; RADIOIMMUNOASSAY (methods); SOMATOMEDIN (analysis, immunology); SOMATOTROPIN (blood); SPECIES SPECIFICITY; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

# Yamanaka WK

**SOME NUTRIENT INTERRELATIONS DURING TOTAL INTRAVENOUS ALIMENTATION IN ADULT MAN--A REVIEW.** Wixom RL, Sheng YB, Anderson HL, Yamanaka WK, Terry BE *Lipids* 11: 299-306, Apr 76 (Eng) [46] DL/76AUG237

# Yanaura S

**[EFFECT OF ALFALFA MEAL ON EXPERIMENTAL HYPERLIPIDEMIA]** Yanaura S, Sakamoto M *Folia Pharmacol Jpn* 71: 387-93, Jul 75 (Jpn) \*DL/76AUG511

ALFALFA; ANIMAL EXPERIMENTS; ANIMAL FEED; ANTICHOLESTEREMIC AGENTS (pharmacodynamics); CHOLESTEROL (blood); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); HYPERLIPIDEMIA (blood); MALE; RABBITS; RATS; TRIGLYCERIDES (blood).

# Yang JT

**LETTER: OLIGOPEPTIDES AS POTENTIAL ANTIAGGREGATION AGENT FOR PROTEINS: HEMOGLOBIN'S GEL AND INSULIN DIMER.** Kubota S, Chang CT, Samejima T, Yang JT *J Am Chem Soc* 98: 2677-8, 28 Apr 76 (Eng) DL/76AUG154

# Yates JC

**ROLE OF MITOCHONDRIAL CALCIUM TRANSPORT IN FAILING HEART.** Dhalla NS, Tomlinson CW, Yates JC, Lee SL, Varley KG, Borowski IF, Barwinsky J *Recent Adv Stud Cardiac Struct Metab* 5: 177-87, 1975 (Eng) \*DL/76AUG831

# Yee E

**GLUCOCORTICOIDS AND TRIGLYCERIDE TRANSPORT: EFFECTS ON TRIGLYCERIDE SECRETION RATES, LIPOPROTEIN LIPIASE, AND PLASMA LIPOPROTEINS IN THE RAT.** Bagdade JD, Yee E, Albers J, Pykalisto OJ *Metabolism* 25: 533-42, May 76 (Eng) DL/76AUG246

# Yeh BK

**INOTROPIC ACTION OF TOLBUTAMIDE ON HUMAN MYOCARDIUM.** Hildner FJ, Yeh BK, Javier RP, Fester A, Samet P *Cathet Cardiovasc Diagn* 1: 47-57, 1975 (Eng) DL/76AUG31

# Yoon JW

**VIRUS-INDUCED DIABETES MELLITUS. VI. GENETICALLY DETERMINED HOST DIFFERENCES IN THE REPLICATING OF ENCEPHALOMYOCARDITIS VIRUS IN PANCREATIC BETA CELLS.** Yoon JW, Notkins AM *J Exp Med* 143: 1170-85, 1 May 76 (Eng) DL/76AUG190

ANIMAL EXPERIMENTS (analysis); CELLS, CULTURED; DIABETES MELLITUS (etiology, familial & genetic, pathology); EMBRYO (microbiology); ENCEPHALOMYOCARDITIS VIRUS (growth & development); GENOTYPE; INSULIN (analysis); ISLANDS OF LANGERHANS (analysis, microbiology, pathology); KIDNEY (microbiology); MICE; MICE, INBRED STRAINS, SPECIES SPECIFICITY; VIRUS REPLICATION.

# Yoshida M

**A HIGH INCIDENCE OF POSITIVE PROVOCATION OF PLASMA PANCREATIC ENZYMES IN THE POORLY CONTROLLED DIABETIC SUBJECTS.** Harano Y, Shimizu Y, Yoshida M, Tani N, Kim CI *Acta Diabetol Lat* 12: 177-84, May-Aug 75 (Eng) DL/76AUG399

# Young BA

**TEMPERATURE-INDUCED CHANGES IN METABOLISM AND BODY WEIGHT OF CATTLE (BOS TAURUS).** Young BA *Can J Physiol Pharmacol* 53: 947-53, Oct 75 (Eng) \*DL/76AUG475

ACCLIMATIZATION; ANIMAL EXPERIMENTS; BASAL METABOLISM; BLOOD SUGAR (metabolism); BODY TEMPERATURE; BODY WEIGHT; CATTLE (metabolism); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HEART RATE; HEMATOCRIT; HUMIDITY; OXYGEN CONSUMPTION; RESPIRATION; SKIN TEMPERATURE; TEMPERATURE.

# Young EA

**THE METABOLISM OF INFUSED MALTOSE AND OTHER SUGARS.** PP. 73-99. Young EA, Weser E In: *Jeans A, Hodge J, ed. Physiological effects of food carbohydrates.* Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (Eng) [88] DL/76AUG176

ADIPOSE TISSUE (metabolism); ADULT; ALCOHOL, ETHYL; AMINO ACIDS; ANIMAL EXPERIMENTS (analysis); BLOOD SUGAR (metabolism); CARBOHYDRATES (administration & dosage); DIABETES MELLITUS (metabolism); FATS; FRUCTOSE (metabolism); GLUCOSE (metabolism); GLUCOSIDASES (metabolism); HUMAN; INSULIN (blood, pharmacodynamics); LACTOSE (metabolism); MALE; MALTOSE (administration & dosage, metabolism); MONOGRAPH (mortality); PARENTERAL FEEDING; PARENTERAL HYPERALIMENTATION; RATS; REVIEW; SORBITOL (metabolism); XYLITOL (metabolism).

# Young JM

**PROTON MAGNETIC RELAXATION STUDIES OF THE INTERACTION OF D-XYLOSE AND XYLITOL WITH D-XYLOSE ISOMERASE. CHARACTERIZATION OF METAL-ENZYMATIC SUBSTRATE INTERACTIONS.** Young JM, Schray KJ, Mildvan AS *J Biol Chem* 250: 9021-7, 10 Dec 75 (Eng) \*DL/76AUG531

BINDING SITES; CARBOHYDRATE ISOMERASES (metabolism); LACTOBACILLUS (enzymology); MANGANESE; MATHEMATICS; NUCLEAR MAGNETIC RESONANCE; PROTEIN BINDING; PROTEIN CONFORMATION; SPECIES SPECIFICITY; STREPTOMYCES (enzymology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; XYLITOL; XYLOSE.

# Young JW

**USE OF L-3-BUTANEDIOL FOR LACTATION AND GROWTH IN CATTLE.** Young JW *Fed Proc* 34: 2177-81, Nov 75 (Eng) \*DL/76AUG682

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# Yourovitkaya NV

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# Yudkin J

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## Zak R

LIPIDAEMIA AND ATHEROSCLEROSIS IN WHITE LEGHORN COCKERELS (GALLUS DOMESTICUS). Worcester NA, Bruckdorfer KR, Yudkin J *Proc Nutr Soc* 34: 82a-83a, Sep 75 (Eng) \*DL/76AUG773

## Zak R

TURNOVER OF MYOCARDIAL COMPONENTS IN CARDIAC HYPERTROPHY. Zak R, Martin AF, Dowell RT, Rabinowitz M *Recent Adv Stud Cardiac Struct Metab* 3: 603-14, 1973 (Eng) \*DL/76AUG808

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## Zakim D

MEMBRANE FLUIDITY AND THE REGULATION OF MEMBRANE-BOUND ENZYMES. Vessey DA, Zakim D *Horiz Biochem Biophys* 1: 138-74, 1974 (Eng) [39] \*DL/76AUG697

## Zambotti F

INHIBITORY ROLE OF THE SEROTONINERGIC SYSTEM IN HYPOGLYCAEMIA-INDUCED GROWTH HORMONE RELEASE IN THE DOG. Muller EE, Udeschini G, Secchi C, Zambotti F, Panerai A, Vicentini L, Cocola F, Mantegazza P *Acta Endocrinol (Kbh)* 82: 71-91, May 76 (Eng) DL/76AUG409

## Zamora A

DISTRIBUTION OF LH-RH IN SUBCELLULAR FRACTIONS OF THE BASOMEDIAL HYPOTHALAMUS. Ramirez VD, Gautron JP, Epelbaum J, Pattou E, Zamora A, Kordon C *Mol Cell Endocrinol* 3: 339-50, Nov 75 (Eng) \*DL/76AUG508

## Zander HD

EFFECT OF ALANINE ON ACETONEMIA IN COWS AND ON PHLORHIZIN-INDUCED ACETONEMIA IN SHEEP. Weik H, Zander HD *Zentralbl Veterinarmed* [A] 22: 520-3, Aug 75 (Ger) \*DL/76AUG869

## Zanon GF

EFFECTS OF GLUCAGON ON THE GASTRIC MICROCIRCULATION OF THE RAT. Gagol PP, Dodi G, Zanon GF *Chir Patol Sper* 23: 111-4, Jun 75 (Ita) DL/76AUG61

## Zaretskaia RB

[RATE OF BLOOD OXYGEN OUTPUT IN CERTAIN TYPES OF OCULAR PATHOLOGY] Zaretskaia RB, Trutneva KV, Epshtein IM, Mikhailova NA *Vestn Oftalmol* 19-22, Jul-Aug 75 (Rus) DL/76AUG358

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## Zatz M

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## Zelin S

THE GLUCOSE CONTROL MECHANISM VIEWED AS A REGULATOR. Zelin S, Norwich KH, Hetenyi G *Med Biol Eng* 13: 503-8, Jul 75 (Eng) \*DL/76AUG566

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## Zespolowa P

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## Zeytinoglu FN

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## Zezulakova J

[CHILDREN OF DIABETIC MOTHERS—RELATIONSHIP BETWEEN METABOLIC CONDITIONS AFTER DELIVERY AND LONG-TERM PROGNOSIS] Zezulakova J, Pribylova H *Cesk Pediatr* 31: 57-60, Feb 76 (Cze) DL/76AUG33

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## Ziegelhoffer A

INHIBITION OF SODIUM-POTASSIUM-ACTIVATED ADENOSINE TRIPHOSPHATASE BY K<sup>+</sup>-MG<sup>2+</sup>-ASPARTATE. Fedeleseova M, Dzurba A, Ziegelhoffer A *Recent Adv Stud Cardiac Struct Metab* 4: 155-9, 1974 (Eng) \*DL/76AUG819

## Ziegels J

[HISTOCHEMICAL STUDY OF MACAQUE SUBCOMMISSURAL ORGAN] Ziegels J *C R Soc Biol (Paris)* 168: 1452-4, 1974 (Fre) \*DL/76AUG648

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## Zilberstein B

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## Zsigmond EK

RISE IN PLASMA FREE-NOREPINEPHRINE DURING ANESTHETIC INDUCTION WITH KETAMINE. Zsigmond EK, Kelsch RC, Kothary SP *Behav Neuropsychiatry* 6: 81-4, Apr 74-Mar 75 (Eng) \*DL/76AUG909

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## Zucchielli GC

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## Zurbrugg RP

HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL REGULATION. A CONTRIBUTION TO ITS ASSESSMENT, DEVELOPMENT AND DISORDERS IN INFANCY AND CHILDHOOD WITH SPECIAL REFERENCE TO PLASMA CORTISOL CIRCADIAN RHYTHM. Zurbrugg RP *Monogr Paediatr* 7: 1-83, 1976 (Eng) [183] DL/76AUG256

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## Zurcher T

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## Zuurmond TJ

STANDARD SERUM CHEMICAL AND HAEMATOLOGICAL VALUES IN THE CHACMA BABOON (PAPIO URSINUS). Steyn DG, Hamilton-Bruce RJ, Zuurmond TJ, Pharo R *J S Afr Vet Assoc* 46: 191-6, Jun 75 (Eng) \*DL/76AUG555

## Zwerling LJ

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EDITORIAL: STRUCTURE AND FUNCTION IN DIABETIC AUTONOMIC NEUROPATHY. Anonymous *Br Med J* 1: 544-5, 6 Mar 76 (Eng) DL/76AUG12

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